

Appendix 3D

Defining Existing Conditions, No Action Alternative, No Project Alternative, and Cumulative Impact Conditions

[Note to Lead Agencies: This appendix is currently being updated based on modeling information]

3D.1 Introduction

The Proposed Project and alternatives will be compared in the Bay Delta Conservation Plan (BDCP) Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) to the Existing Conditions, No Action Alternative, and conditions under the Cumulative Impact Analysis. The EIR/EIS also will evaluate impacts of the No Project Alternative. This appendix presents the definitions and assumptions of these conditions.

3D.2 Definitions

Definitions were developed for Existing Conditions and No Project Alternative based upon the California Environmental Quality Act (CEQA), for the No Action Alternative based upon the National Environmental Policy Act (NEPA), and Cumulative Impact Analysis conditions based upon both CEQA and NEPA. Because CEQA and NEPA have different directives related to using a baseline for determining the impacts of the action, this draft EIR/EIS uses two baselines: one for determining the impacts of state and local agency actions under CEQA and one for determining the impacts of federal actions under NEPA.

3D.2.1 Existing Conditions

The CEQA Baseline for assessing significance of impacts of the Proposed Project will normally be the environmental setting, or Existing Conditions, at the time a Notice of Preparation (NOP) is issued, as provided for in CEQA Guidelines section 15125. The word “normally” used in this context indicates that CEQA Lead Agencies have the discretion, where appropriate, to fully or partially update baseline conditions beyond the time of the issuance of the NOP. The CEQA Baseline is developed to assess the significance of impacts of the Proposed Project in relation to the actual environment upon which the Proposed Project will operate. Generally, this environment is represented by conditions that occur at the time of the NOP. However, if the preparation of the EIR occurs over many months, it may be more relevant to expand the definition to include programs, projects, or policies that are implemented during the preparation of the EIR. The CEQA baseline for assessing significance of impacts of the BDCP alternatives is normally the environmental setting, or existing conditions, at the time a Notice of Preparation (NOP) is issued (State CEQA Guidelines Section 15125[a]). The word *normally* in this context indicates that CEQA lead agencies have the discretion, where appropriate, to fully or partially update baseline conditions beyond the time of issuance of the NOP up until the time of

project approval. The CEQA baseline is developed to assess the significance of impacts of the BDCP alternatives in relation to the existing conditions at the time of the NOP. The existing conditions assumptions for the BDCP EIR/EIS include facilities and ongoing programs that existed as of February 13, 2009 (publication date of the most recent NOP and Notice of Intent [NOI] to prepare this EIS/EIR), that could affect or could be affected by implementation of the BDCP alternatives (refer to Appendix 1D, *Final Scoping Report*, for copies of the NOP and NOI).

In some instances, though, certain assumptions were updated within the confines created by the State CEQA Guidelines and CEQA case law. For example, the June 2009 Biological Opinion (BiOp) for salmonid species from National Marine Fisheries Service (NMFS) was included within the CEQA baseline even though it had not been issued in its final form as of February 2009. Because the December 2008 BiOp for the delta smelt from the United States Fish and Wildlife Service (USFWS) was in place as of February 2009, it made sense to also include the NFMS BiOp, which had been released in draft form prior to February 2009. DWR decided that it would have been anomalous to rely on the most current USFWS BiOp with respect to delta smelt issues, but to ignore the soon to be adopted NFMS BiOp with respect to salmonid issues. Even so, CEQA constrained DWR as CEQA lead agency from assuming implementation of *all* aspects of either BiOp. In particular, the California Court of Appeal opinion in *Sunnyvale West Neighborhood Association v. City of Sunnyvale City Council* (2010) 190 Cal.App.4th 1351 precludes CEQA lead agencies from including within their “existing conditions” baseline the assumed occurrence of future events predicted to occur *after project approval*, regardless of how foreseeable such events may be. As applied to the CEQA baseline used for this EIR/EIS, this judicial precedent made it problematic for DWR to assume full implementation of a particular requirement of the delta smelt BiOp, known as the “Fall X2” salinity standard, which in certain year types requires large upstream reservoir releases in fall months to maintain the location of “X2” at approximately 74 or 80 river kilometers inland from the Golden Gate Bridge, depending upon water year type. As of spring 2011, when a lead agency technical team began a new set of very complex computer model runs in support of this EIR/EIS, DWR determined that full implementation of the Fall X2 salinity standard was far from certain to occur prior to project approval because of a recent court decision and hydrological conditions. As of that date, the United States District Court in litigation filed by various water users over the delta smelt BiOp had found invalid the basis for the Fall X2 location and its implementation was uncertain in the foreseeable future. In addition, it was uncertain if hydrological conditions and precipitation levels sufficient to trigger the Fall X2 requirement would occur prior to the then-projected date of final action on the BDCP (i.e., early 2013)¹. These uncertainties lead to the decision to use a CEQA baseline without the implementation of the Fall X2 action in this draft EIR/EIS. However, for NEPA purposes, which uses a different method for assessing environmental effects of the action alternatives, the Fall X2 action is included in the NEPA baseline as discussed below.

Consistent with these considerations of the CEQA baseline, existing conditions for the BDCP EIR/EIS include continuation of operations of the SWP and CVP by DWR and Reclamation, respectively. Assumptions for the existing conditions related to operations of the SWP and CVP are described in the *Biological Assessment on the Continued Long-term Operations of the Central Valley Project and the State Water Project* (August 2008) prepared by Reclamation (2008) as modified by the June 2009 NMFS BiOp and the December 2008 USFWS BiOp. Detailed assumptions for the SWP and CVP operations are represented in hydrological and water quality analytical models, as described in

¹ In October 2011, the federal District Court issued an injunction applying Fall X-2 at 79 kilometers for October and November 2011.

Appendix 5A, Modeling Methodology, of the BDCP EIR/EIS. Appendix 3A, Alternatives Development Report, provides additional information on assumptions made for existing conditions.

3D.2.2 No Action Alternative

The NEPA Baseline for assessing environmental effects, including cumulative effects, of the Proposed Project and alternatives is defined as the No Action Alternative. The No Action Alternative also demonstrates the future consequences of not meeting the need of the Proposed Project. The No Action Alternative generally focuses on programs, projects, or policies that would affect or be affected by the Proposed Project or the alternatives.

Under NEPA, the No Action Alternative describes the future conditions if the Proposed Project were not approved and there was no change from current management direction or level of management intensity. The No Action Alternative also can include predictable actions by persons or entities other than the federal agencies involved in the Proposed Project acting in accordance with current management direction or level of management intensity. The No Action Alternative may include reasonably foreseeable future actions that are not consistent with existing plans, infrastructure, or services if the actions are consistent with existing management direction or level of management. Neither NEPA nor the CEQ Regulations for implementing NEPA contain a specific directive for using a baseline for determining an action's significant effects on the quality of the human environment. CEQ's *Forty Most Asked Questions Concerning CEQ's NEPA Regulations* provides that the no-action alternative may be used as a "benchmark, enabling decision makers to compare the magnitude of environmental effects of the action alternatives." Under NEPA, federal agencies have the discretion to define the baseline for assessing environmental effects of the alternatives as the no action alternative. Accordingly, this EIR/EIS uses the No Action Alternative as the baseline for determining impacts of the federal action under NEPA. As the NEPA baseline, the No Action Alternative, sometimes referred to as the *future no action condition*, considers existing conditions to include continuation of operations of the SWP and CVP as described in the 2008 USFWS and 2009 NMFS BiOps and other relevant plans and projects that would likely occur in the absence of BDCP actions. NEPA requires the evaluation of the potential effects of alternatives in comparison with the likely future No Action condition from the time that proposed actions are implemented and/or become operational. Because nothing in NEPA or NEPA case law precludes NEPA lead agencies when using No Action scenarios as baselines from including anticipated future conditions in the impact assessment, the NEPA baseline, unlike the CEQA baseline, assumes implementation of the Fall X2 salinity standard.

The No Action Alternative for the BDCP EIR/EIS entails programs, projects, and policies included in existing conditions assumptions. These assumptions also encompass programs, projects, and policies with clearly defined management and/or operational plans, as well as facilities under construction as of February 13, 2009, because such actions and facilities are consistent with the continuation of existing management direction or level of management for plans, policies, and operations. The No Action Alternative assumptions also include facilities and programs that received approvals and permits in 2009 because those programs were consistent with existing management direction as of the NOP].

3D.2.3 No Project Alternative

The No Project Alternative allows decision makers to use the EIR to compare the impacts of approving the Proposed Project with the future conditions of not approving the Proposed Project.

Under CEQA, the No Project Alternative is not the baseline for assessing the significance of impacts of the Proposed Project. CEQA Guidelines section 15126.6, subdivision (e)(2), indicates that No Project conditions include some reasonably foreseeable changes in Existing Conditions and changes that would be reasonably expected to occur in the foreseeable future if the project were not approved, based on current plans and consistent with available infrastructure and community services. The key limiting language here is the phrase “based on current plans and consistent with available infrastructure and community services.” This qualifying language limits the number of assumptions a CEQA Lead agency can make about potential future actions. CEQA, then, expressly prohibits the No Project Alternative to incorporate the NEPA No Action Alternative approach that permits assumptions that agencies other than the federal Lead and Cooperating agencies that may go beyond existing plans, infrastructure, and services.

3D.2.4 Cumulative Impact Analysis

Under CEQA, Cumulative Impacts are defined as two or more individual effects on environmental resources, that when considered together, are considerable or compound or increase other environmental impacts. (CEQA Guidelines section 15355.) Cumulative Impacts consist of impacts which are created as a result of the combination of the Proposed Project with other projects that would cause related impacts (CEQA Guidelines, section 15130, subdivision (a)(1).) The focus under CEQA Cumulative Impacts is on whether the Proposed Project’s incremental contribution to any significant cumulative impact is cumulatively considerable and thus significant in and of itself. (CEQA Guidelines, section 15065(a)(3).) The related past, present, and reasonably foreseeable probable future projects and programs to be considered in the Cumulative Impacts generally (though not always) are not components of, or outgrowths from, the individual identified projects or programs. Rather, the identified projects and programs are usually separate and distinct, often with different lead entities that may cause impacts similar to, or related to, those of the Proposed Project or alternatives.

Under NEPA, the Council of Environmental Quality (CEQ) regulations defines Cumulative Impacts as the impact on environment, human, and community resources that results from the incremental impact of the Proposed Project when added to other past, present, and reasonably foreseeable future actions regardless of what agency (Federal or non-Federal) or persons undertakes such actions. Cumulative Impacts can result from individually minor but collectively significant actions taking place over time (40 Code of Federal Regulations [CFR] 1508.7, 1508.25.)

3D.3 Descriptions for the EIR/EIS

Descriptions were developed for the BDCP EIR/EIS related to Existing Conditions, No Action Alternative, No Project Alternative, and Cumulative Impact Analysis conditions based upon definitions summarized above and information for related and potentially related projects, as summarized in Attachment 3D-A.

3D.3.1 Existing Conditions

The Existing Conditions assumptions includes the basic description of Existing Conditions, assumptions related to the State Water Project (SWP) and Central Valley Project (CVP), ongoing

programs and policies by governmental and non-profit entities, and assumptions related to annual actions that vary every year.

3D.3.1.1 Basic Description of Existing Conditions for BDCP EIR/EIS

The Existing Conditions assumptions for the BDCP EIR/EIS will include existing facilities and ongoing programs that existed as of February 13, 2009 (publication date of the Notice of Preparation and Notice of Intent) that could affect or could be effected by implementation of the Proposed Project and alternatives.

As described above, CEQA Lead Agencies have the discretion to update the baseline conditions beyond the date of the issuance of the NOP to include a program that is implemented during preparation of the EIR. For the purposes of the BDCP EIR/EIS, the Existing Conditions also includes the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Biological Opinion (NMFS BiOp) on the Long-Term Operations of the Central Valley Project and State Water Project (Sacramento River winter-run chinook salmon, Central Valley spring-run chinook salmon, Central Valley steelhead, Southern Distinct Population Segment of North American green sturgeon, and Southern Resident killer whales.) The NMFS BiOp was issued on June 4, 2009 in response to a request issued in 2006 by U.S. Bureau of Reclamation (Reclamation) for reconsultation of a NMFS BiOp issued in 2004. Reclamation issued a revised biological assessment in August 2008, and a draft NMFS BiOp was issued for peer review on December 11, 2008. Although the NMFS BiOp was published following the NOP, most of the provisions were being discussed prior to the NOP. Therefore, the NMFS BiOp is included in the Existing Conditions.

3D.3.1.2 Existing Conditions Assumptions for State Water Project and Central Valley Project

Existing Conditions for the BDCP EIR/EIS includes continuation of operations of the SWP and CVP by the Department of Water Resources (DWR) and Reclamation, respectively. Assumptions for the Existing Conditions related to operations of the SWP and CVP are described in the "Biological Assessment on the Continued Long-term Operations of the Central Valley Project and the State Water Project," August 2008, prepared by Reclamation (2008 BA) as modified by the NMFS BiOp and U.S. Fish and Wildlife Service BiOp (USFWS BiOp). Detailed assumptions for the SWP and CVP operations are represented in hydrological and water quality analytical models, as described in Appendix 5A [in preparation] of the BDCP EIR/EIS, and summarized in Table 3D-1.

1 **Table 3D-1. Summary of SWP and CVP Operations Included In Existing Conditions and No Action**
2 **Alternative for the BDCP EIR/EIS**

Actions	Existing Conditions	No Action Alternative 2020	No Action Alternative 2025	No Action Alternative 2060
Inflow Supplies	Historical	Historical with Climate Change	Historical with Climate Change	Historical with Climate Change
Level of Development	Projected 2005 Level	Projected 2030 Level	Projected 2030 Level	Projected 2030 Level
SWP Water Demands	<ul style="list-style-type: none"> Land-use based, limited by contract amounts Based on full/variable Table A amounts including transfers through 2008 Article 56 based on 2001-08 contractor requests Article 21: Metropolitan Water District (MWD) demand limited only by conveyance from December to March, Kern County Water Agency (KCWA) demand up to 180 thousand acre feet (TAF)/ month and other contractor demands up to 34 TAF/month in all months, subject to capacity to convey and deliver North Bay Aqueduct: 71 TAF/yr demand under SWP contracts, up to 43.7 cubic feet per second (cfs) of excess flow under Fairfield, Vacaville and Benecia Settlement Agreement 	<ul style="list-style-type: none"> Land-use based, limited by contract amounts Based on full Table A amounts Article 21: MWD demand limited only by conveyance from December to March, KCWA demand up to 180 TAF/month and other contractor demands up to 34 TAF/month in all months, subject to capacity to convey and deliver North Bay Aqueduct: 77 TAF/ year demand under SWP contracts, up to 43.7 cfs of excess flow under Fairfield, Vacaville and Benecia Settlement Agreement 	Land-use based, limited by contract amounts	Land-use based, limited by contract amounts
CVP Water Demands	Land-use based, limited by contract amounts	Land-use based, limited by full build out contract amounts per 2008 BA and limited by existing facilities and facilities that will be under construction in 2010.	Land-use based, limited by full build out contract amounts per 2008 BA and limited by existing facilities and facilities that will be under construction in 2010.	Land-use based, limited by full build out contract amounts per 2008 BA and limited by existing facilities and facilities that will be under construction in 2010.
Non-SWP and CVP Project: Water Rights	Per water rights and SWRCB Decisions for Existing Facilities	Per water rights and SWRCB Decision for Existing Facilities	Per water rights and SWRCB Decision for Existing Facilities	Per water rights and SWRCB Decision for Existing Facilities

Define Existing Conditions

Actions	Existing Conditions	No Action Alternative 2020	No Action Alternative 2025	No Action Alternative 2060
Federal and State Refuges with Level 2 Water Supplies	Recent historical Level 2 water needs	Firm Level 2 water needs	Firm Level 2 water need	Firm Level 2 water need
Operations of SWP Facilities	Existing Facilities with NMFS BiOp and USFWS BiOp conditions (See Appendix 5A)	Existing Facilities with NMFS BiOp and USFWS BiOp conditions (See Appendix 5A) <ul style="list-style-type: none"> Federal Energy Regulatory Commission (FERC) License Renewal for Oroville Project South Bay Aqueduct Improvement and Enlargement Project 	Existing Facilities with NMFS BiOp and USFWS BiOp conditions (See Appendix 5A) <ul style="list-style-type: none"> FERC License Renewal for Oroville Project South Bay Aqueduct Improvement and Enlargement Project 	Existing Facilities with NMFS BiOp and USFWS BiOp conditions (See Appendix 5A) <ul style="list-style-type: none"> FERC License Renewal for Oroville Project South Bay Aqueduct Improvement and Enlargement Project
Operations of CVP Facilities	<ul style="list-style-type: none"> Existing Facilities with NMFS BiOp and USFWS BiOp conditions (See Appendix 5A) Red Bluff Diversion Dam with temporary facilities per NMFS BiOp 	<ul style="list-style-type: none"> Existing Facilities with NMFS BiOp and USFWS BiOp conditions (See Appendix 5A) New Red Bluff Fish Passage Facilities Interim implementation for San Joaquin River Restoration Plan Freeport Regional Water Project Contra Costa Canal Fish Screen Project No Delta Mendota Canal-California Aqueduct Intertie 	<ul style="list-style-type: none"> Existing Facilities with NMFS BiOp and USFWS BiOp conditions (See Appendix 5A) New Red Bluff Fish Passage Facilities Interim implementation for San Joaquin River Restoration Plan Freeport Regional Water Project Contra Costa Canal Fish Screen Project No Delta Mendota Canal-California Aqueduct Intertie 	<ul style="list-style-type: none"> Existing Facilities with NMFS BiOp and USFWS BiOp conditions (See Appendix 5A) New Red Bluff Fish Passage Facilities Interim implementation for San Joaquin River Restoration Plan Freeport Regional Water Project Contra Costa Canal Fish Screen Project No Delta Mendota Canal-California Aqueduct Intertie
Operation of non-CVP Facilities	<ul style="list-style-type: none"> Existing Facilities Partial implementation of Grassland Bypass Project 	<ul style="list-style-type: none"> Battle Creek Salmon and Steelhead Restoration Project Natomas Central Mutual Water Company American Basin Fish Screen and Habitat Improvement Project Contra Costa Water District Alternative Intake Stockton Delta Water Supply Partial implementation of Grassland Bypass Project 	<ul style="list-style-type: none"> Stockton Delta Water Supply Partial implementation of Grassland Bypass Project 	<ul style="list-style-type: none"> Stockton Delta Water Supply Partial implementation of Grassland Bypass Project

1

2

3

4

The operational assumptions include continued delivery of water to SWP and CVP contractors up to the adopted water contract amounts based upon water availability and operational constraints, and continued operations under the Coordinated Operations Agreement; State Water Resources Control

Define Existing Conditions

Board (SWRCB) Decision 1641 (D-1641); use of Joint Points of Diversion to allow DWR and Reclamation to use both the SWP and CVP diversion capacity capabilities in accordance with D-1641; SWRCB Water Quality Control Plan adopted in 2006; and implementation of Central Valley Project Improvement Act including environmental water actions in accordance with Section 3406(b)(2).

3D.3.1.3 Existing Conditions Assumptions for Ongoing Programs and Policies

The Existing Conditions assumes continued implementation of operations, maintenance, enforcement, and protection programs by federal, state, and local agencies and non-profit groups that affect or could be affected by the Proposed Project and alternatives, as summarized in Table 3D-2.

Table 3D-2. Ongoing Programs, Projects, and Policies Included in Existing Conditions for the BDCP EIR/EIS

Agency	Program	Comments
Department of Boating and Waterways	Egeria Densa Control Programs	Ongoing program.
Department of Boating and Waterways	Water Hyacinth Control Programs	Ongoing program that is currently being evaluated in a Draft Programmatic EIR.
Department of Fish and Game	Invasive Species Program	Ongoing program.
Department of Fish and Game	California Aquatic Invasive Species Management Plan	Ongoing program.
Department of Fish and Game	Zebra Mussel Rapid Watch Program and Response Plan for California	Ongoing program (includes Quagga mussels.)
Department of Fish and Game	Fish Screen Passage Program	Ongoing program – site-specific projects will require future technical and environmental analyses.
Department of Fish and Game	Delta-Bay Enhanced Enforcement Program	Ongoing program.
Department of Fish and Game	Ecosystem Restoration Program Conservation Strategy	Ongoing program – site-specific projects will require future technical and environmental analyses.
Department of Fish and Game	Lower Sherman Island Wildlife Area Land Management Plan	Ongoing program – site-specific projects will require future technical and environmental analyses.
Department of Fish and Game	Yolo Bypass Wildlife Area Land Management Plan	Ongoing program – site-specific projects will require future technical and environmental analyses.
Department of Fish and Game	Staten Island Wildlife-Friendly Farming Demonstration	Ongoing program.
Department of Fish and Game	Restoring Ecosystem Integrity in the Northwest Delta	Ongoing program.

Define Existing Conditions

Agency	Program	Comments
Department of Fish and Game	Population Biology, Life History, Distribution, and Environmental Optima of Green Sturgeon	Ongoing program.
California Fish and Game Commission	Operations as for Listing of Longfin Smelt under CESA	Despite the fact that OAL has not "finalized" its proposed changes in regulations in code, DFG operates in accordance with the longfin being listed as threatened. In fact, DFG has issued DWR a 2081 permit authorizing take of this threatened species. Therefore, the listing should be included in Existing Conditions, the No Action/No Project, and the Cumulative impacts analyses.
Department of Fish and Game and U.S. Fish and Wildlife Service	Hatchery and Stocking Program	Ongoing program – site-specific projects will require future technical and environmental analyses.
Department of Fish and Game, Department of Food and Agriculture, and California State Parks	Watercraft Inspection Programs	Ongoing program.
Department of Water Resources	Delta Levees Flood Protection Program	Ongoing program – site-specific projects will require future technical and environmental analyses.
Department of Water Resources	Levee Repair-Levee Evaluation Program	Ongoing program – site-specific projects will require future technical and environmental analyses.
Department of Water Resources	Interagency Ecological Program	Ongoing program – site-specific projects will require future technical and environmental analyses.
Department of Water Resources	South Delta Temporary Barriers Program	Ongoing program.
Department of Water Resources	Stockton Deep Water Ship Channel Demonstration Dissolved Oxygen Project	Ongoing program.
Department of Water Resources	Zebra Mussel Watch Program	Ongoing program.
Department of Water Resources and Department of Fish and Game	Delta Fish Agreement (Four Pumps Project)	Ongoing program – site-specific projects or changes to the program will require future technical and environmental analyses.
Department of Water Resources and Yuba County Water Agency	Lower Yuba River Accord	Ongoing program.
State Lands Commission	Marine Invasive Species Program	Ongoing program.

Define Existing Conditions

Agency	Program	Comments
Central Valley Regional Water Quality Control Board	Cache Creek, Bear Creek, Sulfur Creek, Harley Gulch Mercury total maximum daily load (TMDL)	Ongoing program – site-specific projects will require future technical and environmental analyses.
Central Valley Regional Water Quality Control Board	Irrigated Lands Regulatory Program	Ongoing program – site-specific projects will require future technical and environmental analyses.
California Partners in Flight	Riparian Habitat Joint Venture	Ongoing program – site-specific projects will require future technical and environmental analyses.
Central Valley Joint Venture Program	Central Valley Joint Venture	Ongoing program – site-specific projects will require future technical and environmental analyses.
Contra Costa County and East Contra Costa County Habitat Conservancy	East Contra Costa County HCP/NCCP	Ongoing program.
East Bay Municipal Utility District (EBMUD)	Lower Mokelumne River Spawning Habitat Improvement Project	Ongoing program - site-specific projects may require future technical and environmental analyses.
National Marine Fisheries Service, U.S. Bureau of Reclamation, and Department of Water Resources	Biological Opinion (BiOp) on the Long-Term Operations of the Central Valley Project and State Water Project (Sacramento River winter-run chinook salmon, Central Valley spring-run chinook salmon, Central Valley steelhead, Southern Distinct Population Segment of North American green sturgeon, and Southern Resident killer whales)	Ongoing program.
Placer County Water Agency	Placer County Water Agency American River Pump Station	Pump Station dedicated for operations in May 2008
Sacramento County	Sacramento International Airport Master Plan	Ongoing program – site-specific projects may require future technical and environmental analyses.
Sacramento Area Flood Control Agency, Central Valley Flood Protection Board, and U.S. Army Corps of Engineers	Flood Management Program	Ongoing program – site-specific projects may require future technical and environmental analyses.
Sacramento County, Sacramento, Citrus Heights, Elk Grove, Folsom, Galt, and Rancho Cordova	Sacramento Stormwater Quality Partnership	Ongoing program – site-specific projects may require future technical and environmental analyses.
San Francisco Bay Regional Water Quality Control Board	San Francisco Bay Mercury TMDL	Ongoing program.

Define Existing Conditions

Agency	Program	Comments
San Joaquin Council of Governments	San Joaquin County Multi-Species Habitat Conservation and Open Space Plan	Ongoing program.
San Joaquin County, Stockton, Tracy, and the State Water Resources Control Board	San Joaquin County, Stockton, and Tracy Stormwater Management Programs	Ongoing program.
Bay Area Stormwater Management Association agencies	Bay Area Stormwater Management Programs	Ongoing program.
U.S. Army Corps of Engineers	Delta Dredged Sediment Long-Term Management Strategy	Ongoing program – site-specific projects may require future technical and environmental analyses.
U.S. Army Corps of Engineers	Suisun Bay Channel Operations and Maintenance	Ongoing program.
U.S. Army Corps of Engineers	Suisun Channel (Slough) Operation and Maintenance	Ongoing program.
U.S. Bureau of Reclamation and Department of Water Resources	Water Year 2010 Interim Flows Project (San Joaquin River)	Ongoing program. Interim Operations.
U.S. Bureau of Reclamation and U.S. Fish and Wildlife Service	Anadromous Fish Screen Program	Ongoing program – site-specific projects may require future technical and environmental analyses.
U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, National Marine Fisheries Service, Department of Water Resources and Department of Fish and Game	San Joaquin River Restoration Program	Ongoing program – site-specific projects may require future technical and environmental analyses.
U.S. Coast Guard	Ballast Water Management Program	Ongoing program.
U.S. Fish and Wildlife Service	Stone Lakes National Wildlife Refuge Comprehensive Conservation Plan	Ongoing program – site-specific projects may require future technical and environmental analyses.
U.S. Fish and Wildlife Service	North American Waterfowl Management Plan	Ongoing program – site-specific projects may require future technical and environmental analyses.
U.S. Fish and Wildlife Service, U.S. Bureau of Reclamation, and Department of Water Resources	Biological Opinion (BiOp) on the Long-Term Operations of the Central Valley Project and State Water Project (Delta smelt)	Ongoing program.
U.S. Fish and Wildlife Service, U.S. Bureau of Reclamation, and Department of Fish and Game	San Joaquin Basin Action Plan	Ongoing program – site-specific projects may require future technical and environmental analyses.

Define Existing Conditions

Agency	Program	Comments
University of California, Davis, California Department of Water Resources, and U.S. Bureau of Reclamation	UCD Fish Conservation and Cultural Lab	Ongoing program - Spawns and rears delta smelt for scientific studies, and develops and improves cultural methods for delta and longfin smelt.
University of California, Davis, California Department of Water Resources, Department of Fish and Game, U.S. Fish and Wildlife Service, and U.S. Bureau of Reclamation	Delta Smelt Refuge Population and Delta Smelt Interim Refuge	Temporary Delta Smelt refuge at DWR's Fish Facility at Byron
Yolo County	Yolo County Stormwater Management Program	Ongoing program.

Many of the ongoing programs that include continued operations, maintenance, or enforcement activities also include development of future projects that would require separate environmental documentation. The future projects are not included in the Existing Conditions assumptions. Most of these future projects have not been identified at this time, and therefore, are not included in Existing Conditions assumptions.

For example, the NMFS BiOp and the USFWS BiOp identify facilities or changes in operations that would require further study and subsequent implementation, including actions that are projected for completion prior to the completion of the BDCP EIR/EIS. These future actions would require further engineering, environmental, and institutional evaluation and documentation; and therefore, are not included in the Existing Conditions assumptions. The actions in the NMFS BiOp and USFWS BiOp that are not included in the Existing Conditions are summarized in Table 3D-3. It is recognized that it is the intent of SWP and CVP to comply with the NMFS BiOp and USFWS BiOp, although, the specific actions for new facilities have not been identified or evaluated at this time.

3D.3.1.4 Existing Conditions Assumptions for Annual Actions

The Existing Conditions assumptions used in the BDCP EIR/EIS quantitative analyses focus on long-term operations. It is recognized that many actions are implemented on an annual basis, such as one-year water transfers. The annual operations vary substantially each year; and therefore, inclusion of these activities in quantitative analyses may be misleading or provide an inaccurate baseline. Historical annual actions are described for each resource in the BDCP EIR/EIS in a qualitative manner with available specific numerical information.

1 **Table 3D-3. Actions Identified under U.S. Fish and Wildlife Service and National Marine Fisheries**
2 **Service Biological Opinions That Would Require Additional Environmental Documentation prior to**
3 **Implementation and not included in the Existing Conditions Assumptions**

Biological Opinion	Program
U.S. Fish and Wildlife Service	Component 4: Habitat Restoration – Action 6: A program to create or restore a minimum of 8,000 acres of intertidal and associated subtidal habitat in the Delta and Suisun Marsh shall be implemented. A monitoring program shall be developed to focus on the effectiveness of the restoration program.
National Marine Fisheries Service	Action I.3.5. Measures to Compensate for Adverse Effects of Interim Operations on Spring-Run Reclamation shall provide \$500,000 for implementation of spring- run passage improvement projects in the Sacramento River.
National Marine Fisheries Service	Action I.5. Funding for Central Valley Project Improvement Act (CVPIA) Anadromous Fish Screen Program (AFSP) Reclamation shall screen priority diversions as identified in the CVPIA AFSP.
National Marine Fisheries Service	Action I.6.1. Restoration of Floodplain Rearing Habitat In cooperation with Department of Fish and Game (DFG), USFWS, NMFS, and the U.S. Army Corps of Engineers (USACE), Reclamation and DWR shall, to the maximum extent of their authorities (excluding condemnation authority), provide significantly increased acreage of seasonal floodplain rearing habitat, with biologically appropriate durations and magnitudes, from December through April, in the lower Sacramento River basin, on a return rate of approximately one to three years, depending on water year type.
National Marine Fisheries Service	Action I.7. Reduce Migratory Delays and Loss of Salmon, Steelhead, and Sturgeon at Fremont Weir and Other Structures in the Yolo Bypass By December 31, 2011, as part of the plan described in Action I.6.1, Reclamation and/or DWR shall submit a plan to NMFS to provide for high quality, reliable migratory passage for Sacramento Basin adult and juvenile anadromous fishes through the Yolo Bypass. By June 30, 2011, Reclamation and/or DWR shall obtain NMFS concurrence and, to the maximum extent of their authorities, and in cooperation with other agencies and funding sources, begin implementation of the plan, including any physical modifications. By September 30, 2009, Reclamation shall request in writing that the USACE take necessary steps to alter Fremont Weir and/or any other facilities or operations requirements of the Sacramento River Flood Control Project or Yolo Bypass facility in order to provide fish passage and shall offer to enter into a Memorandum of Understanding, interagency agreement, or other similar mechanism, to provide technical assistance and funding for the necessary work.
National Marine Fisheries Service	Action II.3. Structural Improvements Reclamation shall evaluate physical and structural modifications that may improve temperature management capability [Folsom Dam Temperature Control Device, Cold Water Transport through Lake Natoma, El Dorado Irrigation District Temperature Control Device].
National Marine Fisheries Service	Action II.6.1. Preparation of Hatchery Genetic Management Plan (HGMP) for Steelhead Reclamation shall fund DFG to prepare a complete draft HGMP for steelhead production at Nimbus Fish Hatchery, in accordance with current NMFS guidelines, and submit that draft for NMFS review by June 2011. Action II.6.3: Develop and Implement Fall-run Chinook Salmon Hatchery Management Plans for Nimbus and Trinity River Fish Hatcheries By June 2014, develop and begin implementation of Hatchery Management Plans for fall-run production at Nimbus Fish Hatchery and spring-run and fall-run at Trinity River Fish Hatchery. (These actions may have been addressed in recent EIR/EIS).

Define Existing Conditions

Biological Opinion	Program
National Marine Fisheries Service	<p>Action IV.4.1. Tracy Fish Collection Facility (TFCF) Improvements to Reduce Pre-Screen Loss and Improve Screening Efficiency Reclamation shall undertake the following actions at the TFCF to reduce pre-screen loss and improve screening efficiency:</p> <ol style="list-style-type: none"> 1) By December 31, 2012, improve the whole facility efficiency for the salvage of Chinook salmon, CV steelhead, and Southern DPS of green sturgeon so that overall survival is greater than 75 percent for each species. <ol style="list-style-type: none"> a) By December 31, 2011, Reclamation shall complete studies to determine methods for removal of predators in the primary channel, using physical and non-physical removal methods... By December 31, 2012, Reclamation shall implement measures to reduce pre-screen predation in the primary channel to less than ten percent of exposed salmonids. b) By March 31, 2011, Reclamation shall complete studies for the re-design of the secondary channel to enhance the efficiency of screening, fish survival, and reduction of predation within the secondary channel structure and report study findings to NMFS...Reclamation shall initiate the implementation of the study findings by January 31, 2012...
National Marine Fisheries Service	<p>Action IV.4.2. Skinner Fish Collection Facility Improvements to Reduce Pre-Screen Loss and Improve Screening Efficiency DWR shall undertake the following actions at the Skinner Fish Collection Facility:...</p> <ol style="list-style-type: none"> a) On or before March 31, 2011, improved predator control methods. Full compliance shall be achieved by March 31, 2014.
National Marine Fisheries Service	<p>Action IV.4.3. Tracy Fish Collection Facility and the Skinner Fish Collection Facility Actions to Improve Salvage Monitoring, Reporting and Release Survival Rates Reclamation and DWR shall undertake the following actions at the TFCF and the Skinner Fish Collection Facility, respectively. Actions shall commence by October 1, 2009, unless stated otherwise...</p> <ol style="list-style-type: none"> 3) Release Site Studies shall be conducted to develop methods to reduce predation at the "end of the pipe" following release of salvaged fish... 4) By June 15, 2011, predation reduction methods shall be implemented according to analysis in 3.
National Marine Fisheries Service	<p>NF 4.1. Adult Fish Collection and Handling Facilities Beginning in 2012, Reclamation...shall design, construct, install, operate and maintain new or rebuilt adult fish collection, handling and transport facilities at the sites listed below. The objective is to provide interim facilities to pass fish above project facilities and reservoirs.</p>
National Marine Fisheries Service	<p>NF 4.2. Adult Fish Release Sites above Dams and Juvenile Fish Sites Below Dams Reclamation shall provide for the safe, effective, and timely release of adult fish above dams and juvenile fish below dams. The Fish Passage Plan must identify and release sites. Fish transport and release locations and methods shall follow existing State and Federal protocols. With assistance from the Steering Committee, and in coordination with applicable landowners and stakeholders, Reclamation shall complete construction of all selected sites by March 2012.</p>
National Marine Fisheries Service	<p>NF 4.3. Capture, Trapping, and Relocation of Adults By March 2012, Reclamation shall implement upstream fish passage for adults via "trap and transport" facilities while it conducts studies to develop and assess long-term upstream and downstream volitional fish passage alternatives. At least one fish facility must be in place at terminal upstream passage points for each river that is subject to this measure. Facilities to capture adults currently exist at or below Keswick and Nimbus Dams, though these may need to be upgraded.</p>

Biological Opinion	Program
National Marine Fisheries Service	NF 4.4. Interim Downstream Fish Passage through Reservoirs and Dams Beginning in 2012, following the emergence of the first year class of reintroduced fish, and until permanent downstream passage facilities are constructed or operations are established at Project dams, Reclamation shall carry out interim operational measures to pass downstream migrants...
National Marine Fisheries Service	NF 4.5. Juvenile Fish Collection Prototype Beginning in January, 2010, with input from the CVP/SWP operations Fish Passage Steering Committee, Reclamation shall plan, design, build, and evaluate a prototype head-of-reservoir juvenile collection facility above Shasta Dam. Construction shall be complete by September 2013.
National Marine Fisheries Service	LF 2.1. Long-term Adult and Juvenile Fish Passage Facilities...Reclamation shall construct long-term fish passage facilities necessary to successfully allow upstream and downstream migration of fish around or through project dams and reservoirs on the Sacramento and American Rivers by 2020, and Stanislaus River depending on results of study provided for in Action NF 4.7.
National Marine Fisheries Service	LF 2.2. Supplementation and Management Plan...Reclamation shall develop and implement a long-term population supplementation plan for each species and fish passage location identified in V. Fish Passage Program, with adult recruitment and collection criteria...The plan shall be developed by 2020.
National Marine Fisheries Service	LF 2.2. Supplementation and Management Plan...Reclamation shall develop and implement a long-term population supplementation plan for each species and fish passage location identified in V. Fish Passage Program, with adult recruitment and collection criteria...The plan shall be developed by 2020.

3D.3.2 No Action Alternative Conditions

The No Action Alternative assumptions includes the basic description of No Action Alternative, assumptions related to the SWP and CVP, ongoing programs and policies by governmental and non-profit entities, projections related to climate change, and assumptions related to annual actions that vary every year.

3D.3.2.1 Basic Description of No Action Alternative for BDCP EIR/EIS

The No Action Alternative in the BDCP EIR/EIS will include descriptions of conditions at three periods in the future. The first period will be at 10 years following the issuance of take permits by USFWS, NMFS, and Department of Fish and Game for implementation of BDCP (approximately Year 2020). The second period will be at 15 years following the issuance of take permits (approximately Year 2025). The third period will be at 50 years following the issuance of take permits (approximately Year 2060).

The No Action Alternative for the BDCP EIR/EIS will include programs, projects, and policies included in Existing Conditions assumptions and those with clearly defined management and/or operational plans, including facilities under construction as of February 13, 2009 because those actions were consistent with the continuation of existing management direction or level of management for plans, policies, and operations by the NEPA Lead Agencies and other agencies, as summarized in Table 3D-4. The No Action Alternative assumptions also includes facilities and programs that received approvals and permits in 2009 because those programs were consistent with existing management direction as of the Notice of Preparation, as summarized in Table 3D-4.

Table 3D-4. Programs, Projects, and Policies Included In No Action Alternative for the BDCP EIR/EIS

Agency	Program	Comments
Department of Water Resources	Mayberry Farms Subsidence Reversal and Carbon Sequestration Project	Completed in 2009. Operational procedures are being developed.
Contra Costa Water District	Contra Costa Canal Fish Screen Project	Under construction. Estimated completion in 2011.
Contra Costa Water District, U.S. Bureau of Reclamation, and Department of Water Resources	Alternative Intake Project	Completed in 2011.
Department of Water Resources	FERC License Renewal for Oroville Project	Final EIR in 2008. FERC license will be issued and operations will be in accordance with NMFS BiOp and final FERC license.
Freeport Regional Water Authority and U.S. Bureau of Reclamation	Freeport Regional Water Project	Under construction. Estimated completion for intake in 2010. Estimated completion of water treatment plant in 2012.
Reclamation District 2093	Liberty Island Conservation Bank	Under implementation. Permits and approvals acquired in 2009.
Stockton	Delta Water Supply Project	Under construction. Estimated completion in 2012.
U.S. Bureau of Reclamation and State Water Resources Control Board	Battle Creek Salmon and Steelhead Restoration Project	Under construction in 2009.
Tehama Colusa Canal Authority and U.S. Bureau of Reclamation	Red Bluff Diversion Dam Fish Passage Project	Under construction as of January 2010. Estimated completion in 2012.
U.S. Bureau of Reclamation, Department of Fish and Game, and Natomas Central Mutual Water Company	American Basin Fish Screen and Habitat Improvement Project	Under construction as of January 2010. Estimated completion in 2012.
U.S. Bureau of Reclamation, U.S. Army Corps of Engineers, Sacramento Area Flood Control Agency, and Central Valley Flood Protection Board	Folsom Dam Safety and Flood Damage Reduction Project	Under construction. Estimated completion in 2015.
Yolo County	General Plan Update	Adopted in November 2009.
Zone 7 Water Agency and Department of Water Resources	South Bay Aqueduct Improvement and Enlargement Project	Under construction. Estimated completion in 2012.

3D.3.2.2 No Action Alternative Assumptions for State Water Project and Central Valley Project

No Action Alternative for the BDCP EIR/EIS includes continuation of operations of the SWP and CVP as described in the 2008 BA with operational assumptions modified by the NMFS BiOp and USFWS

BiOp. The operational assumptions for the No Action Alternative do not include “Near Term Future Projects” or “Other Future Projects” included in the 2008 that do not comply with the No Action Alternative definition presented above. The Delta Mendota Canal/California Aqueduct Intertie Project and Sacramento River Reliability Project are not included in the No Action Alternative because the environmental documentation is not complete, and therefore, specific construction and operational criteria are not defined. South Delta Improvement Program is not included in the No Action Alternative because DWR is developing alternative plans at this time. Detailed assumptions for the CVP and SWP operations are represented in hydrological and water quality analytical models, as described in Appendix 5A of the BDCP EIR/EIS.

3D.3.2.3 No Action Alternative Assumptions for Ongoing Programs and Policies

The No Action Alternative assumes continued implementation of operations, maintenance, enforcement, and protection programs by federal, state, and local agencies and non-profit groups that affect or could be affected by the Proposed Project and alternatives, as summarized in Table 3D-2. As described above for Existing Conditions assumptions, many of the ongoing programs include development of future projects that would require separate environmental documentation. The future projects are not included in the No Action Alternative assumptions unless they meet the definition of No Action Alternative.

In addition to the ongoing programs, the No Action Alternative would consider future actions under the NMFS BiOp and USFWS BiOp, water rights, flood management, and compliance with endangered species acts.

No Action Alternative Assumptions for Biological Opinions

The future actions not included in No Action Alternative include facilities or changes in operations under implementation of the NMFS BiOp and the USFWS BiOp, as summarized in Table 3D-3, that would require further study and subsequent implementation. Many of these actions are projected for completion prior to the completion of the BDCP EIR/EIS. It is recognized that it is the intent of SWP and CVP to comply with the NMFS BiOp and USFWS BiOp, although, the specific actions for new facilities have not been identified or evaluated at this time.

No Action Alternative Assumptions for Water Rights

The No Action Alternative assumes utilization of senior water rights in the Sacramento and San Joaquin river watersheds by Year 2025 utilizing facilities currently available or under construction.

No Action Alternative Assumptions for Flood Management

The No Action Alternative assumes continued operations of flood management facilities by the federal, state, and local agencies. In addition, the No Action Alternative assumes that without future engineering and environmental analyses, levee failures due to flooding, erosion, subsidence, wave action, seismic events, burrowing animals, physical encroachment (such as barge collisions), or other causes would be repaired under ongoing programs. The No Action Alternative assumes that these repairs also would occur on privately-owned levees that are integral to the main waterways in the Delta, such as repairs that occurred to privately-owned levees following the floods in 1996 and 1997.

No Action Alternative Assumptions for Compliance with Endangered Species Acts

The No Action Alternative assumptions include continued compliance with the California Endangered Species Act (CESA) and the federal Endangered Species Act (ESA) on a case-by-case basis for future programs and projects that have a potential to take listed species under each act. The No Action Alternative does not include additional comprehensive strategies to avoid, minimize, or mitigate effects of programs or projects that are not currently implemented under Existing Conditions.

3D.3.2.4 No Action Alternative Assumptions related to Climate Change

The No Action Alternative also includes assumptions for climate change related to sea level rise and changes in precipitation patterns, including changes in ratios between snow and rainfall. Detailed assumptions for climate change as it relates to CVP and SWP operations are represented in hydrological and water quality analytical models, as described in Appendix 5A of the BDCP EIR/EIS. The No Action Alternative does not include future changes in facilities operations, land use, or policies to accommodate climate change or the adverse impacts associated with climate change.

3D.3.2.5 No Action Alternative Assumptions for Annual Actions

The No Action Alternative assumptions focus on long-term operations and do not include specific annual operations, such as one-year water transfers. It is recognized that annual operational water transfers will continue to occur, although specific information cannot be reasonably forecasted.

3D.3.3 No Project Alternative Conditions

The definition of No Project Alternative is similar but not identical to the definition of No Action Alternative. Generally, the No Project Alternative does not include new facilities that do not represent continuation of the existing plans, policies, and operations.

For the BDCP EIR/EIS, the No Action Alternative assumptions are limited to Existing Conditions, programs adopted during the early stages of development of the EIR/EIS, facilities that are permitted or under construction, and changes due to climate change that would occur with or without the Proposed Project or alternatives. These assumptions do represent continuation of the existing plans, policies, and operations; or conditions that represent continuation of trends in nature. Therefore, the No Project Alternative assumptions are consistent with the No Action Alternative assumptions for the BDCP EIR/EIS.

3D.3.4 Cumulative Impact Assumptions

Cumulative Impact Assumptions for the BDCP EIR/EIS will include programs, projects, and policies included in Existing Conditions, No Action Alternative, and No Project Alternative assumptions; and reasonably foreseeable probable future programs and projects. For the BDCP EIR/EIS, programs with specific plans identified in draft environmental and engineering documents without subsequent approvals were included in the Cumulative Impact Assumptions as reasonably foreseeable, as summarized in Table 3D-5.

1 **Table 3D-5. Programs, Projects, and Policies Included in Cumulative Impact Assessment for the BDCP**
2 **EIR/EIS**

Agency	Programs, Projects, and Policies	Comments
Department of Fish and Game	California Aquatic Invasive Species Draft Rapid Response Plan	Program under development. Draft Plan issued in 2007.
Department of Fish and Game	Fremont Landing Conservation Bank	Program under development. Mitigated Negative Declaration issued in 2009.
Department of Fish and Game	Fish Screen Project at Sherman and Twitchell Islands	Program included in Delta Initiatives List.
Department of Parks and Recreation	Central Valley Vision	Program under development. Draft Plan in 2008.
Department of Water Resources	North Delta Flood Control and Ecosystem Restoration Project	Program under development. Draft Plan and EIR in 2007. Final EIR in 2010.
Department of Water Resources	Dutch Slough Tidal Marsh Restoration Project	Program under development. Draft Plan and EIR in 2008. Final EIR in 2010.
<u>Department of Water Resources</u>	<u>State Water Project Contract Extension</u>	<u>[Note to Lead Agencies: Description in under development]</u>
Contra Costa Water District, U.S. Bureau of Reclamation, and Department of Water Resources	Los Vaqueros Reservoir Expansion Project	Program under development. Draft EIS/EIR in 2009. Final EIS/EIR in 2010. Estimated completion in 2012.
Davis, Woodland, and University of California, Davis	Davis-Woodland Water Supply Project	Program under development. Final EIR in 2009. Specific design and operations criteria not identified.
Northeastern San Joaquin County Groundwater Banking Authority	Eastern San Joaquin Integrated Conjunctive Use Program	Program under development. Final Programmatic EIR in 2009.
University of California, Davis, California Department of Water Resources, Department of Fish and Game, U.S. Fish and Wildlife Service, and U.S. Bureau of Reclamation	Delta Smelt Permanent Refuge	Program under development to develop a permanent facility, possibly at the proposed FWS Science Center at Rio Vista.
U.S. Bureau of Reclamation	Delta-Mendota Canal/California Aqueduct Intertie	Program under development. Draft EIS and Final EIS in 2009.
U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, National Marine Fisheries Services, Department of Water Resources, and Department of Fish and Game	San Joaquin River Restoration Program	Program under development. Draft EIS/EIR in 2011.
U.S. Bureau of Reclamation and San Luis & Delta Mendota Water Authority	Grassland Bypass Project, 2010 – 2019	Program under development. Final EIS/EIR in 2009.
U.S. Bureau of Reclamation and San Luis & Delta Mendota Water Authority	Agricultural Drainage Selenium Management Program	Program under development. Draft EIS/EIR in 2008.
Water Forum and U.S. Bureau of Reclamation	Lower American River Flow Management Standard	Program under development. Draft EIR in 2010. Recommendations included in NMFS Biological Opinion.
West Sacramento Area Flood Control Agency and U.S. Army Corps of Engineers	West Sacramento Levee Improvements Program	Program under development. Construction initiated in several areas. Further environmental and engineering documentation required for future projects.

Most of the programs, projects, and policies included in the Cumulative Impact Assumptions are defined in adequate detail to estimate potential adverse and beneficial impacts, including projects with draft environmental documentation but without selection of a proposed project. The Cumulative Impact Analysis will consider the preliminary determinations of beneficial and adverse impacts for these actions in conjunction with the BDCP Proposed Project and alternatives.

3D.3.5 Programs, Projects, and Policies Not Included in Existing Conditions, No Action Alternative, No Project Alternative, or Cumulative Impact Assumptions

Potential actions that were in the development stages that did not include detailed design and/or operational criteria were not included in Cumulative Impact Assumptions. These programs, projects, and policies are summarized in Table 3D-6.

Table 3D-6. Programs, Projects, and Policies Not Included in Existing Conditions, No Action Alternative, No Project Alternative, or Cumulative Impact Assumptions in BDCP EIR/EIS

Agency	Programs, Projects, and Policies	Comments
Bay Area Integrated Regional Water Management Plan Member Agencies	Bay Area Water Quality and Supply Reliability Program	Program does not include specific implementation plans
Department of Fish and Game, Department of Water Resources, U.S. Fish and Wildlife Service, U.S. Bureau of Reclamation, and Suisun Marsh Charter Group	Suisun Marsh Habitat Management, Preservation, and Restoration Plan	Program under development
Department of Water Resources	California Water Plan Update 2013	Program under development
Department of Water Resources	Central Valley Flood Protection Plan	Program under development
Department of Water Resources	Delta Risk Management Strategy	Program under development
Department of Water Resources	FloodSAFE California	Program under development
Department of Water Resources	Meins Landing Restoration	Program under development
Department of Water Resources	Cache Slough Area Restoration	Program considered in previous studies
Department of Water Resources	North Bay Aqueduct Alternative Intake Project	Program under development
Department of Water Resources	Franks Tract Project	Program under development
Department of Water Resources and U.S. Bureau of Reclamation	In-Delta Storage	Draft Supplemental Report in 2006
Department of Water Resources, CALFED, and National Marine Fisheries Service	Upper Yuba River Studies Program	Program under development
Department of Water Resources, Department of Fish and Game, and U.S. Army Corps of Engineers	CALFED Levee System Integrity Program	Program under development

Define Existing Conditions

Agency	Programs, Projects, and Policies	Comments
Department of Water Resources, Department of Fish and Game, and U.S. Bureau of Reclamation	Element 2: Release Site Predation Study (Collection Handling, transport, and release New Technologies Proposal: Phase 1 Baseline Conditions)	Program under development.
California High Speed Rail Authority and Federal Railroad Administration	Altamont Corridor Rail Project	Program under development
California High Speed Rail Authority and Federal Railroad Administration	California High-Speed Rail System Sacramento to Merced Section	Program under development
Natural Resources Agency	Delta Vision	Program developed; no implementation authority for recommendations
Central Valley Regional Water Quality Control Board	Sacramento-San Joaquin Delta Estuary TMDL for Methylmercury	Program under development
Delta Protection Commission	Delta Protection Commission Land Use and Resource Management Plan Update	Current program in Existing Conditions; future updates under development
Delta Stewardship Council	Delta Plan	Program under development
East Bay Municipal Utility District	Camanche Permit Extension	Program under development
East Bay Municipal Utility District	Water Supply Management Program 2040	Program under development; Final Draft Plan 2009.
East Bay Municipal Utility District, Contra Costa Water District, Santa Clara Valley Water District, and San Francisco Public Utility Commission	Bay Area Regional Desalination Project	Program under development; Pilot Study underway
El Dorado Irrigation District and U.S. Bureau of Reclamation	Folsom Lake Temperature Control Device	Program under development
El Dorado Water and Power Authority	Supplemental Water Rights Project	Program under development
Pacific Gas and Electric	Canada-Northwest-California Transmission Project	Program under development
Placer County Water Agency and U.S. Bureau of Reclamation	Sacramento River Water Reliability Study	Program under development
Sacramento County	Sacramento County General Plan Update	Current Program in Existing Conditions; update under development
Sacramento County and U.S. Fish and Wildlife Service	South Sacramento Habitat Conservation Plan	Program under development.
San Francisco Bay Conservation and Development Commission	San Francisco Bay Plan Amendment and Special Programs	Current Program in Existing Conditions; update under development
San Francisco Public Utilities Commission, U.S. Fish and Wildlife Service, and the National Marine Fisheries Service.	Alameda Watershed Habitat Conservation Plan	Program under development

Define Existing Conditions

Agency	Programs, Projects, and Policies	Comments
San Joaquin County	San Joaquin County General Plan Update	Current Program in Existing Conditions; update under development
Semitropic Water Storage District	Delta Wetlands	Program under development; Final EIR published in 2012
Solano County Water Agency	Solano Multispecies Habitat Conservation Plan	Program under development; Final Administrative Draft in 2009
U.S. Army Corps of Engineers	Lower San Joaquin Feasibility Study	Program under development
U.S. Army Corps of Engineers and Department of Water Resources	Delta Islands and Levees Feasibility Study	Program under development
U.S. Army Corps of Engineers	San Francisco Bay to Stockton Deep Water Ship Channel Project	Program under development
U.S. Army Corps of Engineers	Sacramento Deep Water Ship Channel Project	Program under development
U.S. Bureau of Reclamation	Shasta Lake Water Resources Investigation	Program under development
U.S. Bureau of Reclamation and Department of Water Resources	Delta-Mendota Canal Recirculation Feasibility Study	Program under development
U.S. Bureau of Reclamation and Department of Water Resources	North-of-the-Delta Offstream Storage Investigation	Program under development
U.S. Bureau of Reclamation and Department of Water Resources	Sacramento Valley Water Management Plan	Program under development
U.S. Bureau of Reclamation and Department of Water Resources	Upper San Joaquin River Basin Storage Investigation	Program under development
U.S. Bureau of Reclamation and San Luis & Delta Mendota Water Authority	2-Gates Project	Program under development
U.S. Bureau of Reclamation, Santa Clara Valley Water District, and the San Luis and Delta Mendota Water Authority	San Luis Reservoir Low Point Improvement	Program under development
U.S. Fish and Wildlife Service, U.S. Bureau of Reclamation, and Sacramento Water Forum	Lower American River Temperature Reduction Modeling Project (Formerly the Lake Natoma Temperature Curtains Pilot Project)	Program under development
Yolo Basin Foundation and the Delta Protection Commission	Lower Yolo Bypass Planning Forum	Program under development
Yolo County Joint Powers Authority	Yolo County Habitat/Natural Community Conservation Plan	Program under development

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Attachment 3D-A. Descriptions of Programs, Projects, and Policies considered for Existing Conditions, No Action Alternative, No Project Alternative, and Cumulative Impact Analysis for the BDCP EIR/EIS

Project	Primary Agencies	Description	Existing Conditions	No Action/No Project	Cumulative	References
Bay Area Water Quality and Supply Reliability Program	Bay Area Integrated Regional Water Management Plan participants representing Bay Area agencies	The Bay Area Integrated Regional Management Plan (IRWMP) will be adopted by the involved agencies and organizations that have taken the lead in funding and preparing the Bay Area IRWMP. The partners envision it to be an evolving plan, recognizing that as projects, information and understanding progress, so too should the Bay Area IRWMP. State agencies such as the State Water Control Board and the Department of Water Resources are also being apprised of the planning process as it proceeds, and will receive the plan. The plan will be used to prioritize projects and provide information for projects to be funded by state and federal agencies, such as the Proposition 50 projects.	NO ^d	NO ^d	NO ^d	Bay Area IRWMP web site. Frequently asked questions. Site accessed December 14, 2009. URL = https://www.secure.bairwmp.org/content/frequently-asked-questions
Bay Area Stormwater Management Programs	Bay Area Stormwater Management Association member agencies (BASMAA)	<p>BASMAA was started in response to the National Pollutant Discharge Elimination System (NPDES) permitting program for storm water in an effort to promote regional consistency and to facilitate efficient use of public resources to implement stormwater regulations. The seven member programs of BASMAA have all agreed to the terms of a memorandum of understanding. The focus of the association is implementing stormwater regulations in a way that cuts across typical departmental boundaries, programs, and lines of communication. To do so, these programs have used essentially a watershed approach involving as many stakeholders as possible and building consensus.</p> <p>Stormwater management programs within the Bay Area include:</p> <ul style="list-style-type: none"> • Alameda Countywide Clean Water Program, • Contra Costa Clean Water Program, 	YES ^a	YES ^a	YES ^a	Bay Area Stormwater Management Association's Website. Site accessed September 17, 2009. URL = http://www.basmaa.org/AboutBASMAA/tabid/55/Default.aspx

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<ul style="list-style-type: none"> Fairfield-Suisun Urban Runoff Management Program, Marin County Stormwater Pollution Prevention Program, San Mateo Countywide Water Pollution Prevention Program, Santa Clara Valley Urban Runoff Pollution Prevention Program, and Programs implemented by Sonoma County Water Agency and Vallejo Sanitation and Flood Control District. 				
Egeria Densa Control Program	California Department of Boating and Waterways	<p>The Egeria Densa Control Program (EDCP) is part of the Department of Boating and Waterway's (DBW) Aquatic Pest Control Program. Cal Boating has operated the EDCP in the Sacramento-San Joaquin Delta, and its tributaries, since program inception in 2001. The program was developed in order to respond to 1997 State legislation (Rainey, AB 2193), authorizing the program. A Final EIR was published for the program in 2001. A second addendum to the 2001 EIR was published in January 2006, with 5-year program review and future operations plan. In June 2007, the National Marine Fisheries Services analyzed the potential effects of continued implementation of the EDCP on listed salmonids and green sturgeon and issued a Biological Opinion continuation of the program for 5 years (2007 through 2011).</p> <p>The program includes treatment with herbicides, environmental monitoring, regulatory compliance, and surveillance.</p>	YES ^a	YES ^a	YES ^a	<p>DBW. 2008. Egeria densa Control Program. Second Addendum to 2001 Environmental Impact Report with Five-Year Program Review and Future Operations Plan (December 8, 2006).</p> <p>Department of Boating and Waterways web site. Aquatic Pest Control. Site accessed July 22, 2009. URL = http://www.dbw.ca.gov/Environmental/Aquatic.aspx</p> <p>NMFS. 2007. Biological Opinion on the Egeria densa Control Program (2007 to 2011).</p>
Water Hyacinth Control	California Department of Boating and	The Water Hyacinth Control Program is part of the California Department of Boating and Waterways' (DBW) Aquatic Pest Control Program. DBW has operated the Water Hyacinth	YES ^a	YES ^a	YES ^a	<p>Department of Boating and Waterways web site. Aquatic Pest Control. Site</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Program	Waterways	Control Program in the Sacramento-San Joaquin Delta, and its tributaries, since program inception. In 1982, state legislation made DBW the lead agency for the control of water hyacinth in the Sacramento-San Joaquin Delta, its tributaries and the Suisun Marsh. The initial control plan used both short- and long term methods that involved chemical, mechanical, and biological control measures. The primary and most successful control measure is chemical spraying. Permits for the program were obtained in 2001. DWB published a Draft Programmatic Environmental Impact Report on September 10, 2009. The proposed selected alternative is continuation of the program.				accessed July 22, 2009. URL = http://www.dbw.ca.gov/Environmental/Aquatic.aspx Department of Boating and Waterways web site. Water Hyacinth Control Program Fact Sheet. Site accessed July 22, 2009. URL = http://www.dbw.ca.gov/PDF/Egeria/WHTalkPoints.pdf NMFS. 2006. Biological Opinion on the Water Hyacinth Control Program. April 4, 2006. DBW. 2009. Water Hyacinth Control Program Draft Programmatic Environmental Impact Report. September 10, 2009
Invasive Species Program	California Department of Fish and Game	The Invasive Species Program participates on efforts to prevent the introduction of non-native invasive species in California, detect and respond to introductions when they occur, and prevent the spread of non-native invasive species that have become established. Program activities include development of the California Aquatic Invasive Species Management Plan, the Marine Invasive Species Monitoring Program, and informational and education activities for quagga/zebra mussels, New Zealand mudsnails, northern	YES ^a	YES ^a	YES ^a	DFG web site. Invasive Species Program. Sites accessed July 24, 2009. Invasive Species Program, homepage: URL = http://www.dfg.ca.gov/invasives/ Invasive Species Program, Quagga and Zebra Mussels:

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		pike (in Lake Davis), and dwarf eelgrass.				<p>URL = http://www.dfg.ca.gov/invasives/quaggamussel/</p> <p>Invasive Species Program, New Zealand Mudsnaill: URL = http://www.dfg.ca.gov/invasives/mudsnail/</p> <p>Invasive Species Program, Northern Pike in Lake Davis: URL = http://www.dfg.ca.gov/lakedavis/</p> <p>Invasive Species Program, Dwarf Eelgrass in California: URL = http://www.dfg.ca.gov/invasives/dwarfeelgrass/</p>
California Aquatic Invasive Species Management Plan	California Department of Fish and Game	The California Aquatic Invasive Species Management Plan (CAISMP) was released in January 2008. The plan's overall goal is to identify the steps that need to be taken to minimize the harmful ecological, economic, and human health impacts of aquatic invasive species in California. This plan provides the state's first comprehensive, coordinated effort to prevent new invasions, minimize impacts from established aquatic invasive species and establish priorities for action statewide. In addition, it proposes a process for annual plan evaluation and improvement so that aquatic invasive species can continue to be managed in the most efficient manner in the future. Eight major objectives and 163 actions were identified in the CAISMP.	YES ^a	YES ^a	YES ^a	DFG. California Aquatic Invasive Species Management Plan. January 2008. Site accessed July 22, 2009. URL = http://www.nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=3868

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Aquatic Invasive Species Draft California Rapid Response Plan	California Department of Fish and Game	The California Aquatic Invasive Species Management (described above) proposes an Aquatic Invasive Species Rapid Response Plan for the State of California. The Rapid Response Plan establishes a draft general procedure for rapid response following detection of new aquatic invasive species infestation. It provides a framework for developing and implementing a rapid response plan. It is preliminary in that it describes types of information, resources and decisions necessary to finalize the plan. In order to finalize, fund, and implement the draft Rapid Response Plan, DFG expects that cooperating agencies will assign staff to participate. DFG Invasive Species Program staff will provide coordination for the interagency activities called for in the agreement(s).	NO ^c	NO ^c	YES ^c	DFG. 2007. Draft Aquatic Invasive Species Rapid Response Plan. August 2007.
Zebra Mussel Rapid Watch Program and Response Plan for California	California Department of Fish and Game, California Department of Water Resources, and California State Lands Commission	As part of the Zebra Mussel Early-Detection Monitoring and Outreach Program and the California Zebra Mussel Watch Program, this rapid response plan was developed to outline necessary actions and resources needed to respond to confirmed introductions of zebra mussels into the state. The plan outlines available options for eradication and/or control of zebra mussels (and quagga mussels) and provides guidance for resource managers and agency personnel. The plan includes a list of potential zebra mussel infestation scenarios with possible treatment and post-treatment monitoring techniques. The Zebra Mussel Rapid Response Plan for California is a working document that requires additional information (which will be incorporated as it becomes available) regarding funding sources, permitting requirements, specific roles of agency personnel, legal information, and infestation site specific information. The draft plan will serve as the template for a statewide plan that staff from the California Department of Water Resources will continue to develop.	YES ^c	YES ^c	YES ^c	DFG web site. Quagga and Zebra Mussels. Site accessed July 22, 2009. URL = http://www.dfg.ca.gov/invasives/quaggamussel/ . Zebra Mussel Rapid Response Plan for California.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Fish Screen and Passage Program	California Department of Fish and Game	Under the Fish Screen and Fish Passage Program, DFG conducts inventories of all screened and unscreened diversions and fish passage problems via site visits, and gathers information on the size and number of diversions at each site and presence of existing fish protective facilities. DFG performs the following activities: 1) inventory of water diversion and fish passage problems; 2) evaluation and prioritization of fish screening and fish passage problems; 3) implementation and coordination of fish protection activities; 4) evaluation of existing and proposed fish protective installations; and 5) review of fish screening and fish passage literature. In addition, it maintains a database that is fairly comprehensive for the Central Valley streams (Sacramento and San Joaquin Rivers systems).	YES ^a	YES ^a	YES ^a	CALFED. 2005. Bulletin 250 Fish Passage Improvement 2005. June.
Delta-Bay Enhanced Enforcement Program	California Department of Fish and Game	The Delta-Bay Enhanced Enforcement was initiated in 1991 through the Four Pumps Agreement between the California Department of Fish and Game and California Department of Water Resources (funded by the State Water Project Contractors). In 1994, the U.S. Bureau of Reclamation began funding additional warden positions. The program provides increased enforcement to reduce illegal harvest of species in the San Francisco Bay and Delta, upstream into the Sacramento and San Joaquin basins. In 2008, the program had 10 wardens that focused enforcement efforts to protect steelhead and salmon, as well as other anadromous species of concern. In the Sacramento Basin, the program targets enforcement during the spring-run Chinook salmon migration and summer holding period.	YES ^a	YES ^a	YES ^a	Reclamation. 2008. CVP/SWP operations, criteria and plan (OCAP) Biological Assessment. May.
Ecosystem Restoration Program Conservation	California Department of Fish and Game	The Ecosystem Restoration Program (ERP) Conservation Strategy proposes to address the critical environmental conditions in the Delta and Suisun Marsh/Bay during the first phase of Stage 2 implementation (2009–2020).	YES ^a	YES ^a	YES ^a	DFG. 2008. Administrative Staff Draft Ecosystem Restoration Program Conservation Strategy for Stage 2 Implementation:

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Strategy		<p>The Strategy includes an ecosystem restoration program plan, multi-species conservation strategy, strategic plan for implementation that includes adaptive management, performance measures and monitoring, and proposed performance targets. The adaptive management framework will include "phased" implementation of ERP as the initial "ecosystem enhancement" element that could be a more comprehensive program, allowing for additional ecosystem enhancement components to be developed in the future if ongoing ERP implementation does not achieve desired Delta ecosystem objectives.</p> <p>Proposed performance targets and goals include Delta outflow and other in-Delta flows, restored acres of tidal marsh and other habitats, other stressors, and species abundance.</p> <p>This conservation strategy is based on the assumption that the most promising approach for achieving both ecosystem and water supply goals for the Delta involves a conveyance system with new points of diversion, dependent upon design, operational, and institutional considerations currently under development. This includes construction and operation of a new point (or points) of diversion in the north Delta, on the Sacramento River, and an isolated conveyance facility around the Delta.</p>				<p>Sacramento-San Joaquin Delta and Suisun Marsh and Bay Planning Area. August 18, 2008.</p> <p>Department of Fish and Game. Stage 2 Conservation Strategy Memo. August 19, 2008. Site accessed July 27, 2009. URL = http://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=6502</p> <p>Department of Fish and Game. CALFED Ecosystem Restoration Program website. Site accessed July 27, 2009. URL = http://www.delta.dfg.ca.gov/erp/</p>
Fremont Landing Conservation Bank	California Department of Fish and Game	The project is the restoration, enhancement, and preservation of 100 acres of habitat for the federally and state listed Chinook salmon and Central Valley steelhead at Fremont Landing Conservation Bank site. The project would preserve and enhance 40 acres of existing riparian and wetland habitat, and restore/create 60 acres of riparian woodland and wetland sloughs within the floodplain of the Sacramento River. Three borrow pits would be connected to	NO ^c	NO ^c	YES ^c	CEQAnet web site. Site accessed October 20, 2009. URL = http://www.ceqanet.ca.gov/ProjDocList.asp?ProjectPK=599680

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		the Sacramento River in order to reduce or eliminate fish stranding. The project also includes preservation and restoration of shaded riverine aquatic habitat and placement of large woody debris along the Sacramento River.				
Fish Screen Project at Sherman and Twitchell Islands	California Department of Fish and Game and California Department of Water Resources	The project would install fish screens on up to 10 currently unscreened agricultural intakes used to irrigate state-owned lands on Sherman and Twitchell Islands in the Delta. The project is intended to contribute to the protection of delta smelt and other sensitive aquatic species and the restoration of habitat in the Delta.	NO ^c	NO ^c	YES ^c	Office of the Governor web site. Press release - Gov. Schwarzenegger Directs Immediate Actions to Improve the Deteriorating Delta, California's Water Supply. Site accessed June 30, 2009. URL= http://gov.ca.gov/index.php?/print-version/press-release/6972/ DWR web site. Delta Initiatives List. Site accessed June 30, 2009. URL = http://www.water.ca.gov/deltainit/action.cfm
Lower Sherman Island Wildlife Area (LSIWA) Land Management Plan (LMP)	California Department of Fish and Game	The Lower Sherman Island Wildlife Area occupies roughly 3,100 acres, primarily marsh and open water, at the confluence of the Sacramento and San Joaquin Rivers in the western Sacramento-San Joaquin River Delta (Delta). This extensive tract of natural vegetation and Delta waters provides diverse and valuable wildlife habitats and related recreational opportunities and is integral to the functioning and human use of the Delta. The mission of the California Department of Fish and Game (DFG) is to manage California's diverse fish, wildlife, and plant resources, and the habitats upon which they depend, for	YES ^a	YES ^a	YES ^a	DFG. 2007. Lower Sherman Island Wildlife Area Land Management Plan. California Department of Fish and Game, Rancho Cordova.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>their ecological values and for their use and enjoyment by the public. The land management plan (LMP) is consistent with that mission.</p> <p>The purpose of the LMP is to: (1) guide management of habitats, species, and programs described in the LMP to achieve the DFG's mission to protect and enhance wildlife values; (2) serve as a guide for appropriate public uses of the LSIWA; (3) serve as descriptive inventory of fish, wildlife, and native plant habitats that occur on or use the LSIWA; (4) provide an overview of the property's operation and maintenance and of the personnel requirements associated with implementing management goals (this LMP also serves as a budget planning aid for annual regional budget preparation); and (5) present the environmental documentation necessary for compliance with state and federal statutes and regulations, provide a description of potential and actual environmental impacts that may occur during plan management, and identify mitigation measures to avoid or lessen these impacts.</p>				
Yolo Bypass Wildlife Area Land Management Plan	California Department of Fish and Game	<p>The Yolo Bypass Wildlife Area comprises approximately 16,770 acres of managed wildlife habitat and agricultural land within the Yolo Bypass. The bypass conveys seasonal high flows from the Sacramento River to help control river stage and protect the cities of Sacramento, West Sacramento, and Davis and other local communities, farms, and lands from flooding. Substantial environmental, social and economic benefits are provided by the Yolo Bypass, benefiting the people of the State of California.</p> <p>The stated purposes of the Yolo Bypass Wildlife Area Land Management Plan are to: (1) guide the management of habitats, species, appropriate public use, and programs to achieve California Department of Fish and Game's mission;</p>	YES ^a	YES ^a	YES ^a	<p>DFG. 2008. Yolo Bypass Wildlife Area Land Management Plan. California Department of Fish and Game, Rancho Cordova.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		(2) direct an ecosystem approach to managing the Yolo Bypass Wildlife Area in coordination with the objectives of the CALFED ERP; (3) identify and guide appropriate, compatible public-use opportunities within the Yolo Bypass Wildlife Area; (4) direct the management of the Yolo Bypass Wildlife Area in a manner that promotes cooperative relationships with adjoining private-property owners; (5) establish a descriptive inventory of the sites and the wildlife and plant resources that occur in the Yolo Bypass Wildlife Area; (6) provide an overview of the Yolo Bypass Wildlife Area's operation, maintenance, and personnel requirements to implement management goals, and serve as a planning aid for preparation of the annual budget for the Bay-Delta Region (Region 3); and (7) present the environmental documentation necessary for compliance with state and federal statutes and regulations, provide a description of potential and actual environmental impacts that may occur during plan management, and identify mitigation measures to avoid or lessen these impacts.				
Staten Island Wildlife-Friendly Farming Demonstration	California Department of Fish and Game	Acquisition and restoration of Staten Island (9,269 acres) to protect critical agricultural wetlands used by waterfowl and Sandhill cranes. Phase II of this project to improve wildlife-friendly agriculture to foster recovery of at-risk species and to investigate effects of agriculture on water quality. Demonstration project for wildlife friendly agriculture practices. Will increase habitat availability by allowing 2,500-5,000 acres of corn to be flooded for a longer duration than is presently possible. Also, determine the effect of winter flooding strategies on target bird species, namely greater sandhill crane and northern pintail (Delta EMZ).	YES ^a	YES ^a	YES ^a	Staten Island Wildlife-Friendly Farming Demonstration www.nrm.dfg.ca.gov/FileHandler.ashx?DocumentVersionID=10220
Restoring Ecosystem Integrity in the	California Department of	This project proposes to acquire conservation easements within the Cache Slough complex, along the Barker, Lindsey and Calhoun Sloughs, north Delta tidal channels located west	YES ^a	YES ^a	YES ^a	Restoring Ecosystem Integrity in the Northwest Delta

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/No Project	Cumulative	References
Northwest Delta	Fish and Game	of the Yolo Bypass. Acquisition of conservation easements will be on 1,100 acres of existing riparian, wetland and/or agricultural lands. Currently in the process of acquiring an agricultural easement on 292 acres. Manage and restore up to 1,300 acres of perennial grassland/vernal pool complex in Solano County, CA, and develop a management plan for the Pembco property or other acquisition within the Jepson Prairie Preserve Island Corridor.				www.nrm.dfg.ca.gov/FileHandler.ashx?DocumentVersionID=10429
Population Biology, Life History, Distribution, and Environmental Optima of Green Sturgeon	California Department of Fish and Game	This project is conducting telemetric, physiological, reproductive, and genetic studies to provide state and federal agencies such as NMFS and the California Department of Fish and Game (CDFG) with information on the size of the population and its critical habitat within the Sacramento-San Joaquin watershed to inform the development of a recovery plan for the species. The distribution of spawning adults and juveniles will be continuously monitored using automated listening stations situated throughout the Sacramento River, Delta, and San Francisco Bay Estuary. The project will also characterize the environment where adult green sturgeon are found to spawn.	YES ^a	YES ^a	YES ^a	Sacramento/San Joaquin Watershed. Population Biology, Life History, Distribution, and Environmental Optima of Green Sturgeon. DFG-ERP-07D-S03.
Operations as for Listing of Longfin Smelt under CESA	California Fish and Game Commission	Despite the fact that OAL has not "finalized" its proposed changes in regulations in code, DFG operates in accordance with the longfin being listed as threatened. In fact, DFG has issued DWR a 2081 permit authorizing take of this threatened species. Therefore, the listing should be included in Existing Conditions, the No Action/No Project, and the Cumulative impacts analyses.	YES ^a	YES ^a	YES ^a	DWR. Ongoing California State Water Project Operations in the Sacramento-San Joaquin Delta for the Protection of Longfin Smelt. Initial Study and Draft Negative Declaration. January 2009.
Hatchery and Stocking	California Department of Fish and Game	DFG operates a statewide system of fish hatchery facilities that rear and subsequently release millions of trout, salmon, and steelhead of various age and size classes into state	YES ^a	YES ^a	YES ^a	DFG web site. Site accessed November 6, 2009. URL = http://www.dfg.ca.gov/ne

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Program	and U.S. Fish and Wildlife Service	<p>waters. These fish are reared and released for recreational and commercial fishing, for conservation and restoration of fish species that are native to California waters, for mitigation of habitat losses caused by construction of dams on the state's major rivers, and for mitigation of fish lost at state-operated pumping facilities in the Sacramento-San Joaquin River Delta.</p> <p>DFG's Hatchery Program includes:</p> <ul style="list-style-type: none"> • operation of 14 trout hatchery facilities owned by DFG and the related stocking of fish, • operation of eight salmon and steelhead hatchery facilities owned by others and the related stocking of fish, • operation of two salmon and steelhead hatchery facilities owned by DFG and the related stocking of fish, • providing education staff and fish for stocking under the Fishing in the City program, • issuing authorizations and providing fish eggs for the Classroom Aquarium Education Project (CAEP) • issuing permits for stocking public and private waters with fish reared at private aquaculture facilities, and • implementing the fish production and native trout conservation requirements contained in California Fish and Game Code Section 13007. 				ws/pubnotice/hatchery/
		The fundamental objectives of DFG's Hatchery Program are to continue the rearing and stocking of fish from its existing hatchery facilities for the recreational use of anglers, for mitigation of habitat loss due to dam construction and blocked access to upstream spawning areas, for mitigation of fish losses caused by operation of the state-operated				

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		Sacramento-San Joaquin Delta pumps, and for conservation and species restoration.				
Hatchery and Stocking Program Proposed Changes	California Department of Fish and Game and U.S. Fish and Wildlife Service	<p>The California Department of Fish and Game (DFG) has been rearing and stocking fish in the inland waters of California since the late 1800s. DFG currently stocks trout in high mountain lakes, low elevation reservoirs, and various streams and creeks throughout California. Salmon have been planted mostly in rivers and direct tributaries to the Pacific Ocean, with the exception of inland kokanee, coho, and Chinook salmon populations that have been planted in reservoirs for recreational fishing.</p> <p>In 2006, a lawsuit was filed against DFG claiming that DFG's fish stocking operation did not comply with the California Environmental Quality Act (CEQA). In July, 2007, DFG was ordered by the Sacramento Superior Court to comply with CEQA regarding its fish stocking operations. DFG completed a Draft Environmental Impact Report (EIR) to comply with the court order. The comment period closed in November 2009. The U.S. Fish and Wildlife Service served as the co-lead for the joint EIR/Environmental Impact Statement (EIS).</p>	NO ^c	NO ^c	YES ^c	<p>DFG and USFWS. 2009. Draft Hatchery and Stocking Program Environmental Impact Report/Environmental Impact Statement. September.</p>
Watercraft Inspection Programs	California Department of Fish and Game, California Department of Food and Agriculture, California State Parks	<p>Several local boat and watercraft inspection programs have been initiated to prevent the spread of invasive species such as quagga mussels. Since early 2007, more than 150,000 watercraft have been inspected at CDFA's Border Protection Stations. Pests have been detected on nearly 200 occasions. Another 14,000 watercraft were cleaned and/or drained of all water that could harbor the mussels. The inspections are ongoing. After quagga mussels were detected in 2007 in the Colorado River, funding was granted to enable the California Department of Food and Agriculture (CDFA) to inspect watercraft at six border stations along the Nevada and Arizona borders: Truckee, Needles, Winterhaven, Blythe,</p>	YES ^a	YES ^a	YES ^a	<p>California Department of Food and Agriculture. California Border Protection Stations website. Site accessed July 28, 2009. URL = www.cdfa.ca.gov/phpps/PE/ExteriorExclusion/borders.html</p> <p>California Department of Food and Agriculture. Public Affairs. News</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>Yermo and Vidal. When exotic mussels are detected by CDFA inspectors, the watercraft are cleaned and the owners issued a quarantine notice prohibiting the craft from entering California waters until a final inspection is conducted by the California Department of Fish and Game (DFG).</p> <p>DFG conducts boat inspection training and activities around the state, and has initiated inspections at several water bodies.</p>				<p>Release #08-055. "CDFA Border Protection Stations to Continue Fight Against". August 26, 2008. Site accessed July 28, 2009. URL = http://www.cdfa.ca.gov/egov/Press_Releases/Press_Release.asp?PRnum=08-055</p> <p>Lake Tahoe Regional Planning Agency. Lake Tahoe Aquatic Invasive Species Information Page. Site accessed July 28, 2009. URL = http://www.protecttahoe.org/</p> <p>Lake Tahoe Regional Planning Agency. Facts on Tahoe's Boat Inspection Fees. AIS Fact Sheet. Site accessed July 28, 2009. URL = http://www.tahoeais.org/AIS_Inspection_Factsheet_2-side.pdf</p>
Suisun Marsh Habitat Management, Preservation, and Restoration Plan	California Department of Fish and Game, U.S. Fish and Wildlife Service, U.S. Bureau of	The Suisun Marsh Charter Group, a collaboration of federal, state, and local agencies with primary responsibility in Suisun Marsh, is preparing the Suisun Marsh Habitat Management, Preservation, and Restoration Plan. The plan balances implementation of the CALFED Program, the Suisun Marsh Preservation Agreement, and other management and	NO ^d	NO ^d	NO ^d	Suisun Marsh Charter Group Principal Agencies. 2004. Scoping Report for the Management, Preservation, and Restoration Plan for the

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
	Reclamation, and Suisun Marsh Charter Group	<p>restoration programs within the Suisun Marsh in a manner that is based upon voluntary participation by private landowners and that responds to the concerns of stakeholders. Charter agencies include Reclamation, DWR, USFWS, Suisun Resource Conservation District, and other agencies.</p> <p>The Charter Group is charged with developing a regional plan that would outline the actions needed in Suisun Marsh to preserve and enhance managed seasonal wetlands, restore tidal marsh habitat, implement a comprehensive levee protection/improvement program, and protect ecosystem and drinking water quality. The proposed plan would be consistent with the goals and objectives of the Bay-Delta Program, and would balance those goals and objectives with the Suisun Marsh Preservation Agreement and federal and state endangered species programs within the Suisun Marsh. The Suisun Marsh Plan also would provide for simultaneous protections and enhancement of: 1) existing wildlife values in managed wetlands, 2) endangered species, 3) tidal marshes and other ecosystems, and 4) water quality, including, but not limited to, the maintenance and improvement of levees.</p>				Suisun Marsh Programmatic EIS/EIR. May.
Central Valley Vision	California State Parks	In 2003, California State Parks began work on a long-term Central Valley Vision to develop a strategic plan for State Parks expansion in the Central Valley. The plan will provide a 20-year road map for State Park actions to focus on increasing service to Valley residents and visitors. Within the Great Central Valley (San Joaquin Valley, Sacramento Valley and the Delta region), California State Parks operates and maintains 32 state park units representing 7% of the total state park system acreage. Plans include: Delta Meadows River Park, Brannon Island SRA, Franks Track SRA, Locke Boarding House, and San Joaquin and Sacramento Rivers.	NO ^c	NO ^c	YES ^c	<p>California State Parks. 2008. Central Valley Vision Draft Implementation Plan. October 28, 2008.</p> <p>California State Parks. 2007. Central Valley Vision Summary Report, Findings and Recommendations. January 1, 2007.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		In 2008, California State Parks published a Draft Central Valley Vision Implementation Plan that focuses on meeting the public's recreation needs in the Central Valley 20 years into the future. It outlines planning options to develop new and improved recreation opportunities, acquire new park lands, and build economic and volunteer partnerships.				
California Water Plan Update 2013	California Department of Water Resources	The California Water Plan provides a framework for water managers, legislators, and the public to consider options and make decisions regarding California's water future. The Plan, which is updated every five years, presents basic data and information on California's water resources (including water supply evaluations and assessments of agricultural, urban, and environmental water uses) to quantify the gap between water supplies and uses. The Plan also identifies and evaluates existing and proposed statewide demand management and water supply augmentation programs and projects to address the State's water needs. The California Water Plan Update 2013 is to be published in December 2013.	NO ^d	NO ^d	NO ^d	DWR. 2011. California Water Plan Update 2013: Brochure. October 2011.
Central Valley Flood Protection Plan	California Department of Water Resources	<p>Legislation passed in 2007 directs the California Department of Water Resources to develop three documents that will guide improvement of integrated flood management:</p> <ul style="list-style-type: none"> • State Plan of Flood Control (SPFC) Descriptive Document to inventory and describe the flood management facilities, land, programs, conditions, and mode of operations and maintenance for the State-federal flood protection system in the Central Valley. • Flood Control System Status Report to assess the status of the facilities included in the SPFC Descriptive Document, identify deficiencies, and make recommendations. • Central Valley Flood Protection Plan (CVFPP) to describe a 	NO ^d	NO ^d	NO ^d	DWR web site. Central Valley Flood Management Planning Program. Site accessed on November 12, 2009. URL = http://www.water.ca.gov/pubs/flood/central_valley_flood_management_planning_program/central_valley_flood_management_planning_program_final.pdf

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>sustainable, integrated flood management plan that reflects a system-wide approach for protecting areas of the Central Valley currently receiving protection from flooding by existing facilities of the SPFC. The plan will incorporate the SPFC and Flood Control System Status Update. The plan must be prepared by January 1, 2012, and it is scheduled for adoption by the Central Valley Flood Control Board by July 1, 2012.</p> <p>The CVFPP will be a sustainable, integrated flood management plan describing the existing flood risk in the Central Valley and recommending actions to reduce the probability and consequences of flooding. Produced in partnership with federal, tribal, local, and regional partners and other interested parties, the CVFPP will also identify the mutual goals, objectives, and constraints important in the planning process; distinguish plan elements that address mutual flood risks; and, finally, recommend improvements to the state-federal flood protection system.</p>				
Delta Levees Flood Protection Program	California Department of Water Resources	<p>The Bay-Delta Levees Branch of DWR administers the Delta Levees Flood Protection Program as authorized by the California Water Code, Sections 12300 thru 12318 and 12980 thru 12995. This is a grants program that works with more than 60 reclamation districts in the Delta and Suisun Marsh to maintain and improve the flood control system and provide protection to public and private investments in the Delta including water supply, habitat, and wildlife. The program, through its two major components (Delta Levees Maintenance Subventions Program and Delta Levees Special Flood Control Projects), works with the local agencies to maintain, plan, and complete levee rehabilitation projects.</p> <p>The Delta Levees Maintenance Subventions Program provides financial assistance to local levee maintaining</p>	YES ^a	YES ^a	YES ^a	<p>DWR web site. Bay-Delta Levees. Accessed July 28, 2009. URL = http://www.water.ca.gov/floodmgmt/dsmo/bdlb/</p> <p>DWR web site. Delta Levees Special Flood Control Projects. Accessed November 23, 2009. URL = http://www.water.ca.gov/floodmgmt/dsmo/bdlb/spp/</p> <p>DWR web site. Delta Levee Maintenance Subventions.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		agencies for the maintenance and rehabilitation of non-project levees in the Delta. It has been in effect since passage of the Way Bill in 1973, which has been modified periodically by legislation. The program is under the authority of the Central Valley Flood Protection Board (Board) and is managed by DWR. Water Code Section 12987 calls on DWR to prioritize the islands for receipt of grant funds through the program and recommend the prioritization to the Board. The Board reviews and approves the Department's recommendation and enters into an agreement with reclamation districts to reimburse eligible costs.				Accessed November 23, 2009. URL = http://www.water.ca.gov/floodmgmt/dsmo/bdlb/sp/
		The Delta Levees Special Flood Control Projects provides financial assistance to local levee maintaining agencies for rehabilitation of levees in the Delta. The program was established by the California Legislature under SB 34, SB 1065, and AB 360. Since the inception of the program, more than \$100 million have been provided to local agencies in the Delta for flood control and related habitat projects. The program presently focuses on flood control projects and related habitat projects for eight western Delta Islands (Bethel, Bradford, Holland, Hotchkiss, Jersey, Sherman, Twitchell and Webb Islands) and for the towns of Thornton and Walnut Grove.				
Delta Risk Management Strategy	California Department of Water Resources	The 2000 CALFED Record of Decision presented a Preferred Program Alternative that described actions, studies, and conditional decisions to help the Delta. The Preferred Program Alternative for Stage 1 implementation included the completion of a Delta Risk Management Strategy (DRMS) that would examine the sustainability of the Delta, and would assess major risks to Delta resources for projections ranging from 50 to 200 years. The first phase of DRMS analyzes the risks and consequences	NO ^c	NO ^c	NO ^c	DWR. Delta Risk Management Strategy Phase 1 Executive Summary. Site accessed July 23, 2009. URL = http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/docs/drms_execsum_ph1_final_low.pdf

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		of levee failure in the Delta region. The analysis considers current and future risks of levee failures from earthquakes, high water conditions (storms and tides), climate change, subsidence, dry-weather events, and a combination of these factors. The analysis also estimates the consequences of levee failures to the local and state economy, public health and safety and the environment. The DRMS Phase 1 report findings will be used to help develop a set of strategies to manage levee failure risks in the Delta and to improve the management of state funding that supports levee maintenance and improvement. Various scenarios to reduce the risks and consequences of levee failure are considered in Phase 2 of the DRMS Project.				DWR web site. Delta Risk Management Strategy. Site accessed July 23, 2009. URL = http://www.water.ca.gov/floodmgmt/dsmo/sab/drmsp/
FloodSAFE California	California Department of Water Resources	<p>In 2006, DWR initiated FloodSAFE California, which is a multi-faceted program to improve public safety through integrated flood management. Under the FloodSAFE Program, DWR provides leadership and works with local, regional, state, tribal and federal officials to improve flood management and emergency response systems throughout California, primarily by investing funds provided by Propositions 1E and 84. Although DWR is leading FloodSAFE, successful implementation of the program depends on active participation from many key partners and substantial federal and local cost participation.</p> <p>The FloodSAFE vision is a sustainable integrated flood management and emergency response system throughout California that improves public safety, protects and enhances environmental and cultural resources, and supports economic growth by reducing the probability of destructive floods, promoting beneficial floodplain processes, and lowering the damages caused by flooding.</p> <p>The FloodSAFE Program is designed to help improve</p>	NO ^d	NO ^d	NO ^d	<p>DWR. 2008. Draft FloodSAFE Strategic Plan. May 28, 2008</p> <p>DWR. 2008. Bond Expenditure and Addendum, FY 2008/09. August 2008.</p> <p>DWR. 2007. Bond Expenditure and Addendum, FY 2007/08. February 2007.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>integrated flood management statewide with a significant emphasis on the Central Valley and Delta where communities and resources face high risk of catastrophic damage. Integrated Flood Management includes recognition of: the interconnection of flood management actions within broader water resources management and land use planning, the value of coordinating across geographic and agency boundaries, the need to evaluate opportunities and potential impacts from a system perspective, and the importance of environmental stewardship and sustainability.</p> <p>FloodSAFE will guide the development of regional flood management plans that encourage regional cooperation in identifying and addressing flood hazards. The plans will emphasize multiple objectives, system resiliency, and compatibility with state goals and Integrated Regional Water Management Plans.</p>				
Levee Repair- Levee Evaluation Program	California Department of Water Resources	<p>On February 24, 2006, Governor Arnold Schwarzenegger declared a State of Emergency for California's levee system, commissioning up to \$500 million of state funds to repair and evaluate state/federal project levees. Following the emergency declaration, the Governor directed DWR to secure the necessary means to fast-track repairs of critical erosion sites.</p> <p>Hundreds of levee sites have been identified for immediate repair throughout the Central Valley. These repairs are necessary to maintain the functionality of flood control systems that have deteriorated over time and/or do not meet current design standards. While many of the most urgent repairs have been completed or are near completion, other sites of lower priority are still in progress, and still more are in the process of being identified, planned, and prioritized.</p> <p>In general, repairs to state/federal project levees are being</p>	YES ^a	YES ^a	YES ^a	<p>DWR web site. Levee Repair. Site accessed July 24, 2009. URL = http://www.water.ca.gov/levees/</p> <p>DWR web site. Levee Evaluation Program. Site accessed July 24, 2009. URL = http://www.water.ca.gov/levees/evaluation/</p> <p>DWR web site. Levee Evaluation Program fact sheet. Site accessed July 24, 2009. URL = http://www.water.ca.gov/</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>conducted under three main programs: the Critical Erosion Repairs Program, the Sacramento River Bank Protection Project, and the PL84-99 Rehabilitation Program. A fourth program to repair critically damaged levees on the San Joaquin Flood Control System is under development by DWR.</p> <p>DWR is conducting geotechnical exploration, testing, and analysis of state and federal levees that protect the highly populated urban areas of greater Sacramento, Stockton/Lathrop, and Marysville/Yuba City. This program is being implemented simultaneously with the various urgent levee repairs.</p> <p>To expedite efforts to protect these communities, levee evaluations are being conducted in a fast-track manner over a two- to three-year period. During this time, technical specialists are reviewing existing levee historical data; mapping near-surface geology; conducting field explorations; performing engineering, stability and seepage analyses; and preparing preliminary design and construction estimates for repairing and upgrading the levees, where needed.</p>				<p>levees/evaluation/docs/fact sheet-levee-eval-prog.pdf</p>
Interagency Ecological Program (IEP)	California Department of Water Resources	<p>The mission of the IEP is to provide information on the factors that affect ecological resources in the Sacramento - San Joaquin Estuary as a means to support more efficient management of the estuary. The program consists of 10 member agencies, three state (Department of Water Resources, Department of Fish and Game, and State Water Resources Control Board), six federal (Fish and Wildlife Service, Bureau of Reclamation, Geological Survey, Army Corps of Engineers, National Marine Fisheries Service, and Environmental Protection Agency), and one non-government organization (the San Francisco Estuarine Institute). Program partners work together to develop a better understanding of the estuary's ecology and the effects of the State Water</p>	YES ^a	YES ^a	YES ^a	<p>DWR web site. Interagency Ecological Program: mission and goals. Site accessed September 4, 2009. URL = http://www.water.ca.gov/iep/about/mission.cfm</p> <p>Department of Water Resources. Interagency Ecological Program members. Site accessed September 4, 2009. URL = http://www.water.ca.gov/iep/about/mission.cfm</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>Project (SWP) and federal Central Valley Project (CVP) operations on the physical, chemical, and biological conditions of the San Francisco Bay-Delta estuary. Activities include data collection and analysis, evaluation of the impacts of human activities on fish and wildlife, interpretation of information and development of measures to avoid or offset impacts of water project operation and other human activities on the estuary, and assistance with planning, coordination and integration of estuarine studies by other agencies. The IEP Science Advisory Group also conducts independent scientific reviews of modeling activities and study programs in the Delta when requested.</p> <p>Current efforts focus on evaluation of the decline of pelagic species in the upper San Francisco Estuary. These efforts emphasize modeling and integration of results, and respond to management interests by including temperature modeling, wastewater impacts, contaminants, salvage efficiency, 3-dimensional particle tracking and individual based modeling for striped bass and longfin smelt. The ammonia work includes source, fate, and transport modeling, field studies, and a review and syntheses of data and studies on the effects of ammonia on aquatic species. The temperature work is closely coordinated with the CALFED-funded Computational Assessments of Scenarios of Change for the Delta Ecosystem (CASCaDE) project, and will analyze the trends of water temperature stress zones and refugia in the Delta.</p>				<p>ep/about/members.cfm</p> <p>Baxter, R., R. Breuer, L. Brown, M. Chotkowski, F. Feyrer, B. Herbold, P. Hrodey, K. Larsen, A. Mueller-Solger, T. Sommer, and K. Souza. 2009. Addendum to the Interagency Ecological Program's 2008 Work Plan to Evaluate the Decline of Pelagic Species in the Upper San Francisco Estuary. February 24.</p>
Mayberry Farms Subsidence Reversal and Carbon Sequestration	California Department of Water Resources	The Mayberry Farms Subsidence Reversal and Carbon Sequestration Project would create permanently flooded wetlands on a 307-acre parcel on Sherman Island that is owned by DWR. The project would restore approximately 192 acres of emergent wetlands and enhance approximately 115 acres of seasonally flooded wetlands.	NO ^b	YES ^b	YES ^b	<p>DWR web site. Delta Initiatives List. Site accessed June 30, 2009. URL = http://www.water.ca.gov/deltainit/action.cfm</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Project		The Mayberry Farms project was conceived as a demonstration project that would provide subsidence reversal benefits and develop knowledge that could be used by operators of private wetlands (including duck clubs) that manage lands for waterfowl-based recreation. By maintaining permanent water, the growth and subsequent decomposition of emergent vegetation is expected to control and reverse subsidence. The project is also anticipated to provide climate benefits by sequestering atmospheric CO ₂ . The project is expected to provide year-round wetland habitat for waterfowl and other wildlife.				DWR web site. May 2008 Fact Sheet. Site accessed June 30, 2009. URL = http://www.water.ca.gov/deltainit/docs/mayberry_facsheet.pdf DWR web site. Mayberry Farms. Site accessed June 30, 2009. URL = http://www.water.ca.gov/floodmgmt/dsmo/ecb/maep/mayberry.cfm
Meins Landing Restoration	California Department of Water Resources	The California Department of Water Resources (DWR) purchased the Meins Landing property in a collaborative effort with the Suisun Marsh Preservation Agreement agencies and the State Coastal Conservancy. The purchase of the Meins Landing property and DWR's planned conversion of the entire 666 acre duck club to tidal wetland are parts of a comprehensive package to provide levee improvements on Van Sickle Island and meet tidal wetland restoration goals in several closely aligned State programs. This collaborative effort between the DWR's Delta-Suisun Marsh Office, the Suisun Marsh Charter Group, the California Bay-Delta Authority, and the California Coastal Conservancy enables a regional approach to wetland management in the Bay-Delta estuary than would not have otherwise been possible. Meins Landing is identified as a Stage 1 Action in the "Habitat Preservation and Restoration Plan for the Suisun Marsh" which is the preliminary planning document prepared by the Suisun Marsh Charter Group. This managed freshwater marsh has a long history as a duck club. Restoration and long-term management of Meins Landing will result in conversion to tidal marsh. Conversion of non-native upland grassland to	NO ^d	NO ^d	NO ^d	DWR web site. Meins Landing. Site accessed on December 3, 2009. URL = http://www.water.ca.gov/floodmgmt/dsmo/ecb/maep/meinslanding.cfm

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		tidal marsh and transitional uplands is expected to increase the overall value of Meins Landing for native fish and wildlife species.				
North Delta Flood Control and Ecosystem Restoration Project	California Department of Water Resources	Consistent with objectives contained in the CALFED Record of Decision, the North Delta Flood Control and Ecosystem Restoration Project is intended to improve flood management and provide ecosystem benefits in the North Delta area through actions such as construction of setback levees and configuration of flood bypass areas to create quality habitat for species of concern. These actions are focused on McCormack-Williamson Tract and Staten Island. The purpose of the Project is to implement flood control improvements in a manner that benefits aquatic and terrestrial habitats, species, and ecological processes. Flood control improvements are needed to reduce damage to land uses, infrastructure, and the Bay-Delta ecosystem resulting from overflows caused by insufficient channel capacities and catastrophic levee failures in the Project study area. The Project area encompasses approximately 197 square miles.	NO ^c	NO ^c	YES ^c	DWR. 2007. North Delta Flood Control and Ecosystem Restoration Project Draft EIR. November. DWR. 2010. North Delta Flood Control and Ecosystem Restoration Project Draft EIR. October.
Oroville Facilities Relicensing	California Department of Water Resources	The Oroville Facilities, as part of State Water Project, are also operated for flood management, power generation, water quality improvement in the Sacramento-San Joaquin Delta, recreation, and fish and wildlife enhancement. The objective of the relicensing process was to continue operation and maintenance of the Oroville Facilities for electric power generation, along with implementation of any terms and conditions to be considered for inclusion in a new FERC hydroelectric license. The initial FERC license for the Oroville Facilities, issued on February 11, 1957, expired on January 31, 2007. DWR published the Final Environmental Report in June 2008.	NO ^b	YES ^b	YES ^b	DWR. 2008. Oroville Facilities Relicensing FERC Project NO. 2100 Final Environmental Impact Report.
South Delta	California	The South Delta Temporary Barriers Project, initiated as a	YES ^a	YES ^a	YES ^a	DWR web site. CALFED

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Temporary Barriers Project	Department of Water Resources	<p>test project in 1991, was developed partially in response to a 1982 lawsuit filed by the South Delta Water Agency.</p> <p>The South Delta Temporary Barriers Project consists of four rock barriers across South Delta channels. The objectives of the project are to increase water levels, improve water circulation patterns and water quality in the southern Delta for local agricultural diversions, and improve operational flexibility of the State Water Project to help reduce fishery impacts and improve fishery conditions. Of the four rock barriers, the barrier at the head of Old River serves as a fish barrier (intended to primarily benefit migrating San Joaquin River Chinook salmon) and is installed and operated in April-May and again in September-November. The remaining three barriers (Old River at Tracy, Grant Line Canal, Middle River) serve as agricultural barriers (intended to primarily benefit agricultural water users in the south Delta) and are installed and operated between April 15 and November 30 of each season. In 2008, a court order designed to protect delta smelt prohibited the installation of the spring Head of Old River (HOR) barrier pending fishery agency actions or further order of the court. The remaining three barriers serve as agricultural barriers and are installed between April 15 and September 30 of each season.</p> <p>An experimental underwater, non-physical barrier was installed in 2009. The channel will be open to navigation.</p>				<p>Bay-Delta Office, Delta Overview. Site accessed July 28, 2009. URL = http://baydeltaoffice.water.ca.gov/sdb/tbp/deltaoverview/delta_overview.pdf</p> <p>DWR web site. CALFED Bay-Delta Office, South Delta Branch, Temporary Barriers Project Information. Sites accessed November 18, 2009. URL = http://baydeltaoffice.water.ca.gov/sdb/tbp/web_pg/temppbar.cfm</p> <p>DWR web site. CALFED Bay-Delta Office, South Delta Branch, Temporary Barriers Operating Schedule (2009). Sites accessed November 18, 2009. URL = http://baydeltaoffice.water.ca.gov/sdb/tbp/web_pg/temppbsch.cfm and http://baydeltaoffice.water.ca.gov/sdb/tbp/web_pg/temppbar/proposed2008.cfm</p>
Stockton Deep Water Ship Channel	California Department of Water	The Stockton Deep Water Ship Channel Demonstration Dissolved Oxygen Project is a multiple-year study of the effectiveness of elevating dissolved oxygen (DO)	YES ^a	YES ^a	YES ^a	DWR web site. CALFED Bay-Delta Office, Stockton Deep Water Ship Channel

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Demonstration Dissolved Oxygen Project	Resources	<p>concentrations in the channel. DO concentrations drop as low as 2 to 3 milligrams per liter (mg/L) during warmer and lower water flow periods in the San Joaquin River. The low DO levels can adversely affect aquatic life including the health and migration behavior of anadromous fish (e.g., salmon). The objective of the study is to maintain DO levels above the minimum recommended levels specified in the State of California Water Quality Control Plan (Basin Plan) for the Sacramento River and San Joaquin River basins. The Basin Plan water quality objectives for DO are 6.0 mg/l in the San Joaquin River (between Turner Cut and Stockton, 1 September through 30 November) and 5.0 mg/l the remainder of the year.</p> <p>The project's full-scale aeration system includes two 200-foot-deep u-tube aeration tubes; two vertical turbine pumps capable of pumping over 11,000 gallons of water each; a liquid-to-gas oxygen supply system; and numerous pieces of ancillary equipment and control systems. The system has been sized to deliver approximately 10,000 pounds of oxygen per day into the Deep Water Ship Channel. The aeration system is anticipated to be operated only when channel DO levels are below the Basin Plan DO water quality objectives (approximately 100 days per year). The project study includes an ongoing assessment of DO levels in the channel and vicinity and a study of potential adverse effects of low DO on salmon.</p>				<p>Demonstration Dissolved Oxygen Project. Site accessed November 11, 2009. URL = http://baydeltaoffice.water.ca.gov/sdb/af/index_af.cfm</p> <p>San Joaquin River Dissolved Oxygen TMDL Technical Working Group web site. Site accessed July 28, 2009. URL = http://www.sjrdotmdl.org/aeration.html.</p>
Zebra Mussel Watch Program	California Department of Water Resources	The Zebra Mussel Watch Program is composed of several elements: a risk assessment, an early detection monitoring program, a centralized reporting system "How to Report a Zebra Mussel Sighting," a rapid response plan, and public outreach and education. The risk assessment involves identifying water bodies in California that have a high probability of zebra mussel establishment. High risk areas	YES ^a	YES ^a	YES ^a	<p>DWR web site. Environmental Services Division. Overview of Zebra Mussel Watch Program. Site accessed July 22, 2009. URL = http://www.water.ca.gov/e</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		have suitable zebra mussel habitat (based on substrate type, pH, and mineral availability), appropriate water temperatures for spawning, adequate food supplies, and high levels of boating activity. Early detection monitoring is conducted at high risk rivers and reservoirs in the Central Valley watershed. Sampling consists of suspending artificial substrates in the water column to provide attachment sites for zebra mussels. The artificial substrates checked for the presence of zebra mussels every month. The monitoring is conducted by private citizens, marina staff, DWR staff, and staff from other agencies. Information is managed in a centralized system created for reporting zebra mussel sightings.				environmentalservices/invasive_program_overview.cfm
Cache Slough Area Restoration	California Department of Water Resources and California Department of Fish and Game	<p>The Cache Slough Complex is located in the northern Delta where Cache Slough and the southern Yolo Bypass meet. It currently includes Liberty Island, Little Holland Tract, Prospect Island, Little Egbert Tract and the surrounding waterways. Levee height on these tracts is restricted and designed to allow overtopping in large flow events to convey water from the upper Yolo Bypass. Since 1983 and 1998 respectively, Little Holland Tract and Liberty Island have remained breached. Restoration is occurring naturally on the islands.</p> <p>Restoration in the Cache Slough Complex was identified as an Interim Delta Action by Governor Schwarzenegger in July 2007 and is being evaluated through the Bay Delta Conservation Plan process. Other planning processes such as Delta Vision and the Delta Risk Management Strategy have also identified the Cache Slough Area as a potential priority restoration site.</p> <p>The Cache Slough Complex has potential for restoration success because of its relatively high tidal range, historic</p>	NO ^d	NO ^d	NO ^d	<p>DWR. 2007. Interim Delta Actions fact sheet. July 17.</p> <p>DWR. 2008. Interim Delta Actions fact sheet. Cache Slough Area Restoration. June 16.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>dendritic channel network, minimal subsidence, and remnant riparian and vernal pool habitat. Restoration efforts would support native species, including delta smelt, longfin smelt, Sacramento splittail, and Chinook salmon, by creating or enhancing natural habitats and improving the food web fish require.</p> <p>Surrounding lands that are at elevations that would function as floodplain or marsh if not separated by levees could also be included in the Cache Slough Area. This broader area includes roughly 45,000 acres of existing and potential open water, marsh, floodplain and riparian habitat.</p> <p>The goals of restoration in the Cache Slough Complex are to: 1) re-establish natural ecological processes and habitats to benefit native species, 2) contribute to scientific understanding of restoration ecology, and 3) maintain or improve flood safety. Three restoration actions are currently contemplated in the Cache Slough Complex, including restoration actions at Calhoun Cut, Little Holland Tract, and Prospect Island. These are briefly described in the following.</p>				
Cache Slough Area Restoration		<p>Calhoun Cut</p> <p>Calhoun Cut is a manmade, excavated, east-west running channel that was originally created to improve navigation in the area. The channel initiates at the confluence of Lindsey and Barker sloughs, and runs west in a straight line until it intersects the terminal portion of Lindsey Slough. Calhoun Cut adversely influences tidal action in the historic arms of Lindsey Slough. Restoration of tidal action would entail removal of features that restrict flow through the slough, excavating starter channels to initiate channel evolution and promote tidal flow, and potentially blocking Calhoun Cut to</p>				

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>restore the tidal channel system in Lindsey Slough.</p> <p>Little Holland Tract</p> <p>Little Holland Tract encompasses about 1,640 acres within the Cache Slough Complex. Similar to Prospect Island, Little Holland Tract was acquired by the federal government (USACE) in anticipation of transferring ownership to the U.S. Fish and Wildlife Service as a component of a North Delta National Wildlife Refuge. The tract has been subject to tidal influence since 1983, when levees separating Little Holland Tract and the Toe Drain failed. Since that time, the site has naturally returned to a mixture of tidally influenced emergent wetlands, mudflats, and riparian habitat. Restoration actions would complement what has occurred naturally by increasing wetland values at the site.</p> <p>Prospect Island</p> <p>The northern portion of Prospect island (about 1,253 acres) is currently owned by the U.S. Bureau of Reclamation (Reclamation), who acquired the property with the intent of it serving as a component of a North Delta National Wildlife Refuge. Consistent with the objectives for the refuge, the U.S. Army Corps of Engineers (USACE) and DWR completed the environmental documentation Mitigated Negative Declaration/Findings of No Significant Impact (MND/FONSI) for a restoration project on Prospect Island in 2001; however, funding for the wildlife refuge and the restoration project was never authorized. Restoration actions at Prospect Island would entail the transfer in ownership of the land on Prospect Island from Reclamation to DWR.</p>				
Delta Fish Agreement (Four Pumps)	California Department of Water	The 1986 Delta Pumping Plant Fish Protection (Delta Fish) Agreement between the Department of Water Resources and the Department of Fish and Game provides a mechanism for	YES ^a	YES ^a	YES ^a	DWR web site. Environmental Services, Delta Fish Agreement, Four

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Project)	Resources and California Department of Fish and Game	offsetting adverse fishery impacts caused by the diversion of water at the Harvey O. Banks Delta Pumping Plant, a part of the State Water Project located at the head of the California Aqueduct. Direct losses of Chinook salmon, steelhead, and striped bass are offset or mitigated through the funding and implementation of fish mitigation projects. DWR and DFG work closely with the Fish Advisory Committee to implement the agreement and projects funded under the agreement. The Fish Advisory Committee is made up of representatives of the State Water Contractors, sport and commercial fishing groups, and environmental groups. The agreement was signed by the Directors of DWR and DFG on December 30, 1986, and has been amended twice since that time. The Delta Fish Agreement is also commonly known as the Four Pumps Agreement because it was subsequently identified as mitigation for the enlargement of the Banks Pumping Plant, including four additional pumps.				Pumps. Site accessed November 16, 2009. URL = http://www.water.ca.gov/environmentalservices/fourpumps.cfm
North Bay Aqueduct Alternative Intake Project	California Department of Water Resources and Solano County Water Agency	The California Department of Water Resources issued a Notice of Preparation on December 2, 2009 to construct and operate an alternative intake on the Sacramento River, generally upstream of the Sacramento Regional Wastewater Treatment Plant, and connect it to the existing North Bay Aqueduct system by a new segment of pipe. The proposed alternative intake would be operated in conjunction with the existing North Bay Aqueduct intake at Barker Slough. The proposed project would be designed to improve water quality and to provide reliable deliveries of State Water Project supplies to its contractors, the Solano County Water Agency and the Napa County Flood Control and Water Conservation District.	NO ^d	NO ^d	NO ^d	CEQAnet web site. Site accessed December 10, 2009. URL = http://www.ceqanet.ca.gov/ProjectList.asp

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Dutch Slough Tidal Marsh Restoration Project	California Department of Water Resources and California State Coastal Conservancy	<p>The Dutch Slough Tidal Marsh Restoration Project, located near Oakley in Eastern Contra Costa County, would restore wetland and uplands, and provide public access to the 1,166-acre Dutch Slough property owned by the Department of Water Resources (DWR). The property is composed of three parcels separated by narrow man-made sloughs. The project would provide ecosystem benefits, including habitat for sensitive aquatic species. It also would be designed and implemented to maximize opportunities to assess the development of those habitats and measure ecosystem responses so that future Delta restoration projects will be more successful.</p> <p>Two neighboring projects proposed by other agencies that are related to the Dutch Slough Restoration Project collectively contribute to meeting project objectives. These include the City of Oakley's proposed Community Park and Public Access Conceptual Master Plan for 55 acres adjacent to the wetland restoration project and four miles of levee trails on the perimeter of the DWR lands. The City Community Park will provide parking and trailheads for the public access components of the Dutch Slough Restoration Project. The Ironhouse Sanitary District is proposing the West Marsh Creek Delta Restoration Project, a restoration of a portion of the Marsh Creek delta on an adjacent 100-acre parcel it owns west of Marsh Creek. The Ironhouse Project could provide fill material for, and be linked to, the Dutch Slough Restoration lands.</p>	NO ^d	NO ^d	NO ^d	<p>DWR and CSCC. 2008. Dutch Slough Tidal Marsh Restoration Project Draft Environmental Impact Report. November.</p> <p>DWR and CSCC. 2010. Dutch Slough Tidal Marsh Restoration Project Final Environmental Impact Report. March.</p>
Franks Tract Project	California Department of Water Resources and U.S. Bureau of	The California Department of Water Resources (DWR) and the U.S. Bureau of Reclamation (Reclamation) are conducting studies to evaluate the feasibility of modifying the hydrodynamic conditions near Franks Tract to improve Delta water quality and enhance the aquatic ecosystem. The results of these studies have indicated that modifying the	NO ^d	NO ^d	NO ^d	DWR web site. Franks Tract Project. Accessed July 23, 2009. URL = http://www.water.ca.gov/frankstract/

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
	Reclamation	<p>hydrodynamic conditions near Franks Tract may substantially reduce salinity in the Delta and protect fishery resources, including populations of delta smelt, a federally listed and state-listed species that is endemic to the Delta. As a result, DWR and Reclamation propose to implement the Franks Tract Project to improve water quality and fisheries conditions in the Delta. DWR and Reclamation are evaluating installing operable gates to control the flow of water at key locations (Threemile Slough and/or West False River) to reduce sea water intrusion, and to positively influence movement of fish species of concern to areas that provide favorable habitat conditions. The project gates would be operated seasonally and during certain hours of the day, depending on fisheries and tidal conditions. Boat passage facilities would be included to allow for passing of watercraft when the gates are in operation. The Franks Tract Project is consistent with ongoing planning efforts for the Delta to help balance competing uses and create a more sustainable system for the future. By protecting fish resources, this project also could improve operational reliability of the State Water Project and Central Valley Project because curtailments in water exports (pumping restrictions) are likely to be less frequent.</p> <p>Franks Tract was previously evaluated as part of DWR's Flooded Island Pre-Feasibility Study Report (2006).</p>				
In-Delta Storage Project	California Department of Water Resources and U.S. Bureau of Reclamation	The In-Delta Storage Project, described in the 2004 Draft State Feasibility Study, would store about 217,000 acre-feet of water in the south Delta for a wide array of water supply, water quality, and ecosystem benefits. The project would consist of two reservoir islands (Webb Tract and Bacon Island), two habitat islands (Holland Tract and Bouldin Island) and four integrated facilities (two facilities on each of the storage islands). Water storage would be created on the	NO ^d	NO ^d	NO ^d	DWR. 2006. Draft Supplemental Report to 2004 Draft State Feasibility Study In-Delta Storage Project. January 2006.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		islands by strengthening existing levees and building new embankments inside the existing levees. The integrated facilities would control water diversions and releases into and out of the reservoir islands. The facilities control structures would be consolidated to combine all operational components needed to make diversions and releases. The components of each facility would include a fish screen, a transition pool, three inlet/outlet structures, a midbay, a pumping plant and associated conduit, a bypass channel and engineered embankments.				
Lower Yuba River Accord	California Department of Water Resources and Yuba County Water Agency	<p>The Lower Yuba River Accord is a collaborative effort among environmental interests, fisheries agencies, and water agencies intended to resolve instream flow issues associated with operation of the Yuba Project in a way that would protect and enhance lower Yuba River fisheries and local water supply reliability. It also provides revenues for local flood control and water supply projects, improves statewide water supply reliability and provides water for protection and restoration purposes in the Delta. Local water supply reliability is achieved through implementation of a conjunctive use program. The Lower Yuba River Accord includes three separate but interrelated agreements intended to meet program objectives.</p> <p>The Fisheries Agreement would modify the instream flow requirements contained in SWRCB Revised Decision 1644 to provide increased flows in most months of most water years. These changes would primarily serve to improve habitat conditions for salmonids by reducing water temperatures during sensitive lifestage periods. Implementation of the Yuba Accord requires appropriate SWRCB amendments of Yuba County Water Agency's (YCWA) water-right permits and RD-1644.</p>	YES ^a	YES ^a	YES ^a	Reclamation and YCWA. 2007. Final Environmental Impact Report/ Environmental Impact Statement for the Proposed Lower Yuba River Accord. October.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>To assure that local water supply reliability would not be reduced by the higher minimum instream flows, YCWA and its participating local water districts would implement agreements that would establish a comprehensive conjunctive use program that would integrate the surface water and groundwater supplies of the local irrigation districts and mutual water companies that YCWA serves in Yuba County. Integration of surface water and groundwater would allow YCWA to increase the efficiency of its water management.</p> <p>Under the Water Purchase Agreement, the U.S. Bureau of Reclamation and the California Department of Water Resources would enter into an agreement with YCWA to purchase water from YCWA for use in the Environmental Water Account (EWA) Program or an equivalent program as long as operational and hydrological conditions allow. Additional water purchased by Reclamation and DWR would be available for the CVP and the SWP in drier years. The EWA Program would take delivery of water in every year; the CVP/SWP would receive additional water in the drier years.</p>				
Upper Yuba River Studies Program	California Department of Water Resources, CALFED, and National Marine Fisheries Service	In 2002, CALFED formed a stakeholder work group and initiated investigations of the feasibility of providing anadromous fish passage at Englebright Dam on the Yuba River, a dam that blocks all upstream passage of fish. A comprehensive study program, developed with the assistance of the work group, included studies to examine the availability of upstream fish habitat and the effects of a potential fish passage project on sediment storage and transport, water quality, flood risk, water supply and hydropower, and socio-economics. Initial studies focused on sediment transport and storage in the upper watershed and Englebright Lake, and habitat quality in the Middle and South Yuba rivers, particularly for spring-run Chinook salmon and	NO ^d	NO ^d	NO ^d	<p>DWR. 2003. Interim Report, Summary of Current Conditions in the Yuba River Watershed. October.</p> <p>NMFS. 2008. Yuba River Passage Investigation and Report Contract Statement of Work. May 22, 2008.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>steelhead. The analyses included temperature modeling and mapping of holding pools, instream barriers, and potential spawning and rearing areas. The results of the preliminary investigations suggested that anadromous salmonids could be supported in the river upstream of Englebright Dam.</p> <p>In 2008, the National Marine Fisheries Service (NMFS) began a watershed-based habitat suitability assessment and the development of conceptual plans for engineered fish passage design alternatives to accommodate safe and timely movement of anadromous fish through or around Englebright Dam.</p>				
CALFED Levee System Integrity Program	California Department of Water Resources, California Department of Fish and Game, U.S. Army Corps of Engineers	<p>The CALFED Record of Decision requires that the Levee System Integrity Program be managed to provide for long-term protection for Delta resources through maintenance and improvement of the Delta levee system. Goals are to protect life, infrastructure, and properties; and reduce the risk to land use and associated economic activities, water supply, infrastructure, and ecosystem from catastrophic breaching of Delta levees. The primary focus is on the legal Delta as defined in Section 12220 of the California water Code. Protection and maintenance of a total of 1,300 miles of project and non-project levees has taken place since the inception of the CALFED Program in 2000. Other major undertakings include restoration of native vegetation and reuse of dredge material to bolster levee stability.</p> <p>Major activities include levee maintenance, levee improvement, environmental mitigation, emergency response functions, and other components carried out using local funds, with additional funds provided by the state and federal governments. However, uncertainty in program funding has required that some goals be revised and schedules be extended. Proposition 50 provided \$70 million</p>	NO ^d	NO ^d	NO ^d	<p>CALFED Bay-Delta Program web site. Levee System Integrity Program. Site accessed July 24, 2009. URL = http://calwater.ca.gov/calfed/objectives/Levee_System_Integrity.html</p> <p>CALFED Bay-Delta Program web site. Levee System Integrity Program Plan Year 9 (State FY 2008-2009) May 2008. Site accessed July 24, 2009. URL = http://calwater.ca.gov/content/Documents/library/ProgramPlans/2008/Levee_Program_Plan_Year_9.pdf</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		for Delta Levees.				
Element 2: Release Site Predation Study (Collection Handling, transport, and release [CHTR] New Technologies Proposal: Phase 1 Baseline Conditions)	California Department of Water Resources, California Department of Fish and Game, U.S. Bureau of Reclamation	The California Department of Water Resources, in collaboration with others, is developing quantitative and qualitative information for the purpose of assessing the potential magnitude of predation mortality within the receiving waters at the state salvaged fish release sites (specifically the State Water Project's Horseshoe Bend release site). The Element 2 study also provides information on the geographic distribution and behavioral patterns of predatory fish at release sites in addition to comparative investigations of predator behavior and distribution during releases of salvaged fish. The field studies included in Element 2 are intended to provide the necessary scientific and technical information for assessing the importance of predation as a factor affecting survival of salvaged fish and, in the event that predation mortality is identified as a significant factor, the studies in Element 2 will provide a foundation of information useful in identifying and evaluating potential alternative new technologies designed to reduce or avoid predation mortality of released fish. Study techniques include DIDSON camera monitoring, hydroacoustics, acoustic telemetry, avian predation monitoring, and electrofishing.	NO ^d	NO ^d	NO ^d	DWR. Bay-Delta web site. Site accessed July 17, 2009. URL = http://baydeltaoffice.water.ca.gov/ndelta/fishery/element2/index.cfm DWR. 2005. Collection Handling, transport, and release (CHTR) New Technologies Proposal: Phase 1 Baseline Conditions.
Altamont Corridor Rail Project	California High Speed Rail Authority and Federal Railroad Administration	The project would incrementally upgrade the Altamont Commuter Express System as part of the statewide High Speed Rail Initiative on a separate, dedicated passenger track and may ultimately be fully grade-separated, electrified, and compatible with the high speed train equipment.	NO ^d	NO ^d	NO ^d	CHSRA. 2009. California High-Speed Train Program Summary Report, July 2009. CHSRA. 2009. Notice of Preparation (filed October 22, 2009).
California High-Speed Rail System	California High Speed Rail Authority and	The project would construct a new rail corridor between Merced and Sacramento, with various alignments under study including alignments adjacent to the existing Union	NO ^d	NO ^d	NO ^d	California High-Speed Train Program Summary Report, July 2009. Available at:

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Sacramento to Merced Section	Federal Railroad Administration	Pacific Railroad and Burlington Northern Santa Fe (BNSF) railroad routes. The new corridor would be fully grade-separated and electrified.				http://www.cahighspeedrail.ca.gov/library.asp?p=8200 . CHSRA and FRA. 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. August. Bay Area to Central Valley Program EIR/EIS, available at: http://www.cahighspeedrail.ca.gov/library/Default.aspx?ItemID=6113 .
Riparian Habitat Joint Venture Project	California Partners In Flight	The Riparian Habitat Joint Venture (RHJV) project was initiated by California Partners in Flight in 1994. To date, 18 federal, state and private organizations have signed the Cooperative Agreement to protect and enhance habitats for native landbirds throughout California. These organizations include the California Department of Fish and Game, California Department of Water Resources, California State Lands Commission, Ducks Unlimited, National Audubon Society, National Fish and Wildlife Foundation, The Nature Conservancy, The Trust for Public Land, The Resources Agency State of California, U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, U.S. Geological Survey, and Wildlife Conservation Board. The RHJV, modeled after the successful Joint Venture projects of the North American Waterfowl Management Plan, reinforces other collaborative efforts	YES ^a	YES ^a	YES ^a	RHJV (Riparian Habitat Joint Venture). 2004. Version 2.0. The riparian bird conservation plan: a strategy for reversing the decline of riparian associated birds in California. California Partners in Flight. http://www.prbo.org/calpdf/pdfs/riparian.v-2.pdf . Riparian Habitat Joint Venture web site. Site accessed December 10, 2009. URL =

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		currently underway that protect biodiversity and enhance natural resources as well as the human element they support. The vision of the RHJV is to restore, enhance, and protect a network of functioning riparian habitat across California to support the long-term viability of landbirds and other species. A wide variety of other species of plants and animals will benefit through the protection of forests along rivers, streams and lakes. The RHJV mission is to provide leadership and guidance to promote the effective conservation and restoration of riparian habitats in California through the following goals: (1) Identify and develop technical information based on sound science for a strategic approach to conserving and restoring riparian areas in California; (2) Promote and support riparian conservation on the ground by providing guidance, technical assistance and a forum for collaboration; and (3) Develop and influence riparian policies through outreach and education. In 2004, Partners In Flight prepared The Riparian Bird Conservation Plan, a guidance document that outline a strategy for conserving riparian birds, including birds using the Delta.				http://www.rhvjv.org/
Delta Vision	California Resources Agency	Delta Vision was created by Executive Order of Gov. Arnold Schwarzenegger in 2006 to find a durable vision for sustainable management of the Sacramento-San Joaquin Delta, so it could continue to support environmental and economic functions critical to the people of California. Although it builds upon work done through the CALFED Bay-Delta Program, Delta Vision broadened the focus of past Delta efforts to recommend actions that address the full array of natural resource, infrastructure, land use, and governance issues necessary to achieve a sustainable Delta. In February 2007, the Governor appointed the independent Delta Vision	NO ^d	NO ^d	NO ^d	California Resources Agency web site. Delta Vision Background. Site accessed July 24, 2009. URL = http://www.calwater.ca.gov/content/documents/newroom/Delta_Vision_Fact_Sheet_081508.pdf California Resources Agency web site. About

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>"Blue Ribbon" Task Force chaired by Phil Isenberg.</p> <p>The Task Force issued its first report, Our Vision for the California Delta, in December 2007, which identified its vision for the Sacramento-San Joaquin Delta. The Task Force issued its second report, a Strategic Plan, identified and evaluated alternative implementing measures and management practices that would be necessary to implement Delta Vision recommendations. These implementation recommendations involved considering changes in the use of land and water resources, services to be provided within the Delta, governance, funding mechanisms, and ecosystem management practices. The final Strategic Plan was submitted to the public and the Delta Vision Committee on October 31, 2008.</p>				<p>Delta Vision website. Site accessed July 24, 2009. URL = http://deltavision.ca.gov/AboutDeltaVision.shtml</p> <p>California Resources Agency web site. Delta Vision Committee Implementation Report. December 2008. Site accessed July 24, 2009. URL = http://www.deltavision.ca.gov/DV_Committee/Jan2009/08-1231_Delta_Vision_Committee_Implementation_Report.pdf</p>
Marine Invasive Species Program	California State Lands Commission	<p>The California Marine Invasive Species Program is charged with preventing or minimizing the introduction of nonindigenous species to California Waters from commercial vessels. The program began in 1999 with the passage of California's Ballast Water Management for Control of Nonindigenous Species Act, which addressed the threat of species introductions through ships' ballast water during a time when federal regulations were not mandatory. In 2003, the Marine Invasive Species Act (MISA) was passed, reauthorizing and expanding the 1999 Act. Subsequent amendments to MISA and additional legislation have further expanded the scope of the program. The law charged the California State Lands Commission with oversight of the state's program to prevent or minimize the introduction of nonindigenous species from commercial vessels. To advance</p>	YES ^a	YES ^a	YES ^a	<p>California State Lands Commission web site. Description of the Marine Invasive Species Program. Site accessed July 21, 2009. URL = http://www.slc.ca.gov/Spec_Pub/MFD/Ballast_Water/About_The_Program.html</p> <p>California State Lands Commission web site. Marine Invasive Species Program homepage. Site accessed July 21, 2009. URL</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>this goal, the Commission uses a comprehensive approach that includes: ballast water and vessel fouling management tracking, compliance, and enforcement; sound policy development in consultation with a wide array of experts and stakeholders; applied research that advances the strategies for nonindigenous species prevention; and outreach and education to coordinate information exchange among scientists, legislators, and stakeholders.</p> <p>The Coastal Ecosystems Protection Act of 2006 directed the Commission to adopt performance standards for the discharge of ballast water by January 1, 2008, and prepare a report assessing the availability of treatment technologies to meet those standards. The Commission completed the rulemaking process and adopted the standards in October 2007; the technology assessment report was completed in December 2007.</p>				<p>= http://www.slc.ca.gov/Spec_Pub/MFD/Ballast_Water/Ballast_Water_Default.html</p> <p>California State Lands Commission. 2009. Biennial Report on the California Marine Invasive Species Program.</p> <p>State Lands Commission. 2006. Commercial Vessel Fouling in California: Analysis, Evaluation, and Recommendations to Reduce Nonindigenous Species Release from the Non-Ballast Water Vector. April.</p>
Central Valley Joint Venture Program	Central Valley Joint Venture	<p>The Central Valley Joint Venture (CVJV) is a self-directed coalition consisting of 22 state and federal agencies and private conservation organizations. The partnership directs their efforts toward the common goal of providing for the habitat needs of migrating and resident birds in the Central Valley of California. The CVJV was established in 1988 as a regional partnership focused on the conservation of waterfowl and wetlands under the North American Waterfowl Management Plan. It has since broadened its focus to the conservation of habitats for other birds, consistent with major national and international bird conservation plans and the North American Bird Conservation Initiative.</p> <p>The CVJV provides guidance and facilitates grant funding to accomplish its habitat goals and objectives. Integrated bird</p>	YES ^a	YES ^a	YES ^a	<p>Central Valley Joint Venture web site. Site accessed December 10, 2009. URL = http://www.centralvalleyjointventure.org/about/</p> <p>Central Valley Joint Venture, 2006. Central Valley Joint Venture Implementation Plan – Conserving Bird Habitat. U.S. Fish and Wildlife Service, Sacramento, CA.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		conservation objectives for wetland habitats in the Central Valley identified in the 2006 Implementation Plan include restoration of 19,170 acres of seasonal wetland, enhancement of 2,118 acres of seasonal wetland annually, restoration of 1,208 acres of semi-permanent wetland, and restoration of 1,500 acres of riparian habitat.				
Cache Creek, Bear Creek, Sulfur Creek, Harley Gulch Mercury TMDL	Central Valley Regional Water Quality Control Board	Historic mining activities in the Cache Creek watershed have discharged and continue to discharge large volumes of inorganic mercury to creeks in the watershed. Much of the mercury discharged from the mines is now distributed in the creek channels and floodplain downstream from the mines. Natural erosion processes are expected to slowly move the mercury downstream out of the watershed over the next several hundred years. However, current and proposed activities in and around the creek channel can enhance mobilization of this mercury. To reduce mercury loads in these streams, which ultimately connect to the northern Delta, the Central Valley Regional Water Quality Control Board is implementing mercury TMDLs for Cache Creek and its tributaries, as well as Sulfur Creek. The implementation plans require a reduction in mercury loads through a combination of actions to clean up mines, sediments, and wetlands; identify engineering options; control erosion reduction actions, and perform studies and monitoring.	YES ^a	YES ^a	YES ^a	CVRWQCB. 2005. Cache Creek, Bear Creek, Sulfur Creek, Harley Gulch TMDL for Mercury, Staff Report, October. CVRWQCB. 2007. The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board, Central Valley, Fourth Edition Revised October 2007 (with Approved Amendments). October.
Irrigated Lands Regulatory Program	Central Valley Regional Water Quality Control Board	The Irrigated Lands Regulatory Program (ILRP) regulates discharges from irrigated agricultural lands. Its purpose is to prevent agricultural discharges from impairing the waters that receive the discharges. The California Water Code authorizes State and Regional water boards to conditionally waive waste discharge requirements if this is in the public interest. On this basis, the Los Angeles, Central Coast, Central Valley, and San Diego regional water quality control boards have issued conditional waivers of waste discharge	YES ^a	YES ^a	YES ^a	SWRCB web site. Site accessed July 21, 2009. URL http://www.swrcb.ca.gov/water_issues/programs/agriculture/docs/about_agwaivers.pdf CVRWQCB irrigated lands web site. Site accessed July

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		requirements to growers that contain conditions requiring water quality monitoring of receiving waters. Participation in the waiver program is voluntary; dischargers must file a permit application as an individual discharger, stop discharging, or apply for coverage by joining an established coalition group. The waivers must include corrective actions when impairments are found.				<p>21, 2009. URL = http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/general_prog_info/irrlands_disch_fact_sht.pdf</p> <p>http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/general_prog_info/index.shtml</p> <p>http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/general_prog_info/coalition_boundaries_10jun08.pdf</p> <p>http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/long_term_program_development/dec2008_wkgrp_mtg/long_term_program_background.pdf</p> <p>http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/long_term_program_development/19may09_advisory_wkgrp_mtg/19may09_draft_ilrp_sched.pdf</p>
Sacramento-San Joaquin Delta Estuary TMDL	Central Valley Regional Water Quality Control	The Central Valley Regional Water Quality Control Board has identified the Delta as impaired because of elevated levels of methylmercury in Delta fish that pose a risk for human and	NO ^d	NO ^d	NO ^d	CVRWQCB 2008. Sacramento-San Joaquin Delta Estuary TMDL for

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
for Methylmercury	Board	<p>wildlife consumers. As a result, it has initiated the development of a water quality attainment strategy to resolve the mercury impairment. The strategy has two components: the methylmercury total maximum daily load (TMDL) for the Delta and the amendment of the Water Quality Control Plan for the Sacramento River and San Joaquin River Basins (the Basin Plan) to implement the TMDL program. The draft Basin Plan amendment would require methylmercury load and waste load allocations for dischargers in the Delta and Yolo Bypass to be met as soon as possible, but no later than 2030. The regulatory mechanism to implement the Delta Mercury Control Program for point sources would be through NPDES permits. Nonpoint sources would be regulated in conformance with the State Water Resources Control Board's Nonpoint Source Implementation and Enforcement Policy. Both point and nonpoint source dischargers would be required to conduct mercury and methylmercury control studies to develop and evaluate management practices to control mercury and methylmercury discharges. The Regional Water Board will use the study results and other information to amend relevant portions of the Delta Mercury Control Program during the Delta Mercury Control Program Review.</p> <p>The draft Basin Plan amendment also would require proponents of new wetland and wetland restoration projects scheduled for construction after 2011 to either participate in a comprehensive study plan or implement a site-specific study plan, evaluate practices to minimize methylmercury discharges, and implement newly developed management practices as feasible. Projects would be required to include monitoring to demonstrate effectiveness of management practices.</p> <p>Activities, including changes to water management and</p>				<p>Methylmercury, Draft Staff Report, February.</p> <p>CVRWQCB. 2009. Control of Methylmercury in the Delta, Draft Basin Plan Amendment Staff Report. July.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		storage in and upstream of the Delta, changes to salinity objectives, dredging and dredge materials disposal and reuse, and changes to flood conveyance flows, would be subject to the open water methylmercury allocations. Agencies would be required to include requirements for projects under their authority to conduct control studies and implement methylmercury reductions as necessary to comply with the allocations by 2030.				
East Contra Costa County Habitat Conservation Plan/Natural Community Conservation Plan	Contra Costa County and East Contra Costa County Habitat Conservancy	<p>The East Contra Costa County Habitat Conservation Plan / Natural Community Conservation Plan (Plan) was adopted in 2006 and provides regional conservation and development guidelines to protect natural resources while improving and streamlining the permit process for endangered species and wetland regulations. The Plan was developed by a team of scientists and planners with input from independent panels of science reviewers and stakeholders. Within the 174,018-acre inventory area, the Plan provides permits for between 8,670 and 11,853 acres of development and will permit impacts on an additional 1,126 acres from rural infrastructure projects. The Plan will result in the acquisition of a preserve system that will encompass 23,800 to 30,300 acres of land that will be managed for the benefit of 28 species as well as the natural communities that they depend upon.</p> <p>The East Contra Costa County Habitat Conservancy is a joint exercise of powers authority formed by Contra Costa County and the cities of Brentwood, Clayton, Oakley and Pittsburg to implement the Plan. It allows Contra Costa County, the Contra Costa County Flood Control and Water Conservation District, the East Bay Regional Park District and the cities of Brentwood, Clayton, Oakley, and Pittsburg (collectively, the Permittees) to control permitting for activities and projects they perform or approve in the region that have the potential</p>	YES ^a	YES ^a	YES ^a	<p>Contra Costa County web site. East Contra Costa County Habitat Conservancy. Site accessed on August 4, 2009. URL = http://www.co.contra-costa.ca.us/depart/cd/water/HCP/index.html</p> <p>East Contra Costa County Habitat Conservation Plan Association. 2006. Final East Contra Costa County Habitat Conservation Plan/ Natural Community Conservation Plan. October. (http://www.co.contra-costa.ca.us/depart/cd/water/HCP/documents.html)</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		to adversely affect state- and federally listed species. The Plan also provides for comprehensive species, wetlands, and ecosystem conservation and contributes to the recovery of endangered species in northern California. The Plan avoids project-by-project permitting that often results in uncoordinated and biologically ineffective mitigation.				
Contra Costa Canal Fish Screen Project	Contra Costa Water District	Contra Costa Water District diversion of water from the Sacramento-San Joaquin Delta at Rock Slough serves as a major component of its water supply. Between 120,000 and 130,000 acre-feet of water per year is diverted by the canal for irrigation and municipal and industrial uses. The diversion at Rock Slough is one of the largest unscreened Delta sites. The project would install fish screens at the Rock Slough diversion to minimize the entrainment losses of sensitive fish species. It includes flow control and transition structures necessary to reduce tidal influences and maintain flow rates. This will help the screen perform properly and allow fish to pass by it easily. Improvements at the diversion site also would reduce potential predation on target species, fulfill legal requirements of the U.S. Fish and Wildlife Service's 2008 Biological Opinion for the threatened Delta smelt, complete the mitigation for the Los Vaqueros Biological Opinion, and complete CVPIA requirements in Section 3406(b)(5). Construction is estimated to be complete in 2011.	NO ^b	YES ^b	YES ^b	Reclamation web site. Contra Costa Canal Fish Screen (Rock Slough) Fact Sheet. Site accessed July 30, 2009. URL = http://www.usbr.gov/mp/ARRA/docs/CONTRA%20COSTA%20FACT%20SHEET.pdf CCWD web site. Media Center. Site accessed on November 11, 2009. URL = http://www.ccwater.com/mediacenter/index.asp?action=view&wnID=302
Contra Costa Canal Replacement Project	Contra Costa Water District	Contra Costa Water District's Canal Replacement Project will replace the canal with a pipeline along a portion of the 48-mile Contra Costa Canal near Oakley. The first phase was initiated in 2009. The project would encase a 1,900-foot portion of the Contra Costa Canal to reduce salinity and water quality impacts of groundwater seepage from adjacent agricultural areas, as well as to increase public safety and flood protection. Contra Costa Water District will be initiating	NO ^d	NO ^d	NO ^d	Contra Costa Water District – Oakley Pipeline Replacement website. Updated August 19, 2009. Accessed September 17, 2009. URL = http://www.ccwater.com/

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		plans for the remaining sections.				CanalProject.asp
Los Vaqueros Reservoir Expansion Project	Contra Costa Water District and U.S. Bureau of Reclamation	<p>Los Vaqueros Reservoir is a 100,000 acre-foot off-stream storage reservoir owned and operated by Contra Costa Water District (CCWD) that is used to store water pumped from the Delta. This storage capacity allows CCWD to improve the water quality delivered to its customers and to adjust the timing of its Delta water diversions to accommodate the life cycles of Delta aquatic species, thus reducing species impact and providing a net benefit to the Delta environment.</p> <p>The proposed expansion project would increase the reservoir capacity to 275,000 acre-feet and add a new 470 cfs connection that would allow the Los Vaqueros system to provide water to South Bay water agencies – Alameda County Flood Control and Water Conservation District, Zone 7, Alameda County Water District, and Santa Clara Valley Water District – that otherwise would receive all of their Delta supplies through the existing SWP and CVP export pumps. It also would include construction of a new diversion on Old River with a capacity of 170 cfs. The new and expanded facilities would be operated in coordination with the U.S. Bureau of Reclamation and California Department of Water Resources to shift Delta pumping for the three South Bay water agencies from the CVP and SWP Delta export pumps to the expanded Los Vaqueros reservoir system.</p>	NO ^c	NO ^c	YES ^c	<p>Reclamation et al. 2009. Draft Environmental Impact Statement/Environmental Impact Report for the Los Vaqueros Reservoir Expansion Project. February 2009.</p> <p>Reclamation et al. 2010. Final Environmental Impact Statement/Environmental Impact Report for the Los Vaqueros Reservoir Expansion Project. March 2010.</p>
Alternative Intake Project	Contra Costa Water District, U.S. Bureau of Reclamation, and California Department of Water Resources	The Alternative Intake Project is under construction and will be complete in 2010. The project would locate a new drinking water intake at Victoria Canal, about 2.5 miles east of Contra Costa Water District's (CCWD) existing intake on the Old River, which would allow CCWD to divert higher quality water when it is available. The new screened intake includes a 2.5-mile pipeline extension and a new pumping plant that would tie into CCWD's existing conveyance system. The new	NO ^b	YES ^b	YES ^b	<p>Contra Costa Water District web site. Press Release – CCWD Board of Directors Approves Alternative Intake Project. November 27, 2006. Site accessed June 30, 2009. URL = http://www.ccwater.com/</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		intake would have the same capacity and similar design as the existing Old River intake (250 cubic feet of water per second).				mediacenter/index.asp?action=view&wnID=214 Contra Costa Water District web site. Fact Sheet. December 2006. Site accessed June 30, 2009. URL = http://www.ccwater-alternativeintake.com/pdfs/AIP%20fact%20sheet.pdf CCWD and USBR. 2006. Final Environmental Impact Report /Environmental Impact Statement for the Contra Costa Water district Alternative Intake Project. October.
Davis-Woodland Water Supply Project	Davis, Woodland, and University of California, Davis	The Davis-Woodland Water Supply Project would divert up to about 46,100 acre-feet per year of surface water from the Sacramento River and convey it for treatment and subsequent use in Davis and Woodland and on the University of California, Davis campus. The purposes of the project are to provide a reliable water supply to meet existing and future needs, improve water quality for drinking supply purposes, and improve treated wastewater effluent quality through 2040. Project activities would include construction and operation of a water intake/diversion, conveyance, and water treatment facilities. Surface water supplies would be acquired through new water rights and water rights transfers from senior water rights holders. The Project would be located in the east-central portion of Yolo County, between and within the cities of Woodland and	NO ^c	NO ^c	YES ^c	City of Davis. 2007. Executive Summary. Davis-Woodland Water Supply Project Draft Environmental Impact Report. April. Project Web Site. Newsletter – April 2, 2007. Site accessed July 8, 2009. URL = http://www.daviswoodlandwatersupply.org/daviswoodlandwatersupply/docs/DavisWoodWaterProj-4-2-

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>Davis, the University of California, Davis campus, and west of the Sacramento River. The new water diversion facility would be constructed on the Sacramento River near the Interstate 5 crossing at the location of the existing Reclamation District 2035 diversion. The water treatment plant to treat the surface water diverted from the Sacramento River would have an ultimate capacity of up to 106 millions of gallons per day (MGD).</p> <p>Water diversions under the project would be made in compliance with Standard Water Right Permit Term 91, which prohibits surface water diversions when water is being released from CVP or SWP storage reservoirs to meet in-basin entitlements, including water quality and environmental standards for protection of the Sacramento-San Joaquin Delta. Water supply needs during periods applicable to Term 91 would be satisfied by entering into water supply transfer agreements with senior water rights holders within the Sacramento River watershed.</p>				<p>07.pdf</p> <p>Project Web Site. December 2007 Community Report Newsletter. Site accessed July 8, 2009. – URL = http://www.daviswoodlandwatersupply.org/pdfs/Davis-Woodland-WSP-Community-Report-011008-WebVersion.pdf</p> <p>Water Resources Association of Yolo County web site. Site accessed July 8, 2009. URL = www.yolowra.org</p>
Delta Protection Commission Land Use and Resource Management Plan Update	Delta Protection Commission	<p>The Delta Protection Commission (Commission), created with passage of the Delta Protection Act, was formed to adaptively protect, maintain, and where possible, enhance and restore the overall quality of the Delta environment consistent with the Delta Protection Act and the Land Use and Resource Management Plan for the Primary Zone.</p> <p>The Commission is currently updating its Land Use and Resource Management Plan (Management Plan), which was originally adopted in 1995. The Management Plan outlines the long-term land use requirements for the Sacramento-San Joaquin Delta and sets out findings, policies, and recommendations in the areas of environment, utilities and infrastructure, land use, agriculture, water, recreation and access, levees, and marine patrol/boater education/safety</p>	NO ^d	NO ^d	NO ^d	<p>Delta Protection Commission web site. Land Use and Resource Management Plan. Site accessed September 1, 2009. URL = http://www.delta.ca.gov/planning/management.asp</p> <p>Delta Protection Commission. 2009. Draft Land Use and Resource Management Plan for the Primary Zone of the Delta. Compiled Draft</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>programs.</p> <p>The updated Management Plan will place increased emphasis on the requirement for local government general plans to provide for consistency with the provisions of the Management Plan. The Commission develops priorities and timelines for tasks to be implemented each year, and provides annual progress reports to the Legislature. One of the tasks identified by the Commission is to monitor the Delta Vision, Bay Delta Conservation Plan, and Delta Risk Management Strategy processes and provide input as deemed appropriate.</p>				Management Plan 11-12-2009.
Delta Plan	Delta Stewardship Council	<p>In November 2009, the California Legislature enacted SBX7 1, which took effect on February 3, 2010. One portion of this legislation is known as the Sacramento–San Joaquin Delta Reform Act of 2009 (the Delta Reform Act). The Delta Reform Act requires the development of a legally enforceable, comprehensive, long-term management plan for the Delta, which is referred to as the Delta Plan. The Delta Reform Act also created the Delta Stewardship Council (Council), which is an independent State agency. One of the Council’s primary responsibilities is to adopt the Delta Plan.</p> <p>The Delta Reform Act requires the Council to adopt a Delta Plan that achieves the State’s coequal goals. The Delta Reform Act also specifies the following: (i) eight objectives that are “inherent” in the coequal goals (see Water Code section 85020), (ii) a related statewide policy to reduce reliance on the Delta in meeting the State’s future water supply needs through improved regional water self-reliance (Water Code section 85021); and (iii) certain specific subjects and strategies that must be included in the Delta Plan (see generally Water Code sections 85301–85309).</p> <p>The Delta Plan must include BDCP if the BDCP is completed</p>	NO ^d	NO ^d	NO ^d	Fifth Staff Draft Delta Plan. August 2, 2011. www.deltacouncil.ca.gov . 2012.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		and approved by DFG as a Natural Communities Conservation Plan and by federal agencies as a Habitat Conservation Plan.				
EBMUD Camanche Permit Extension	East Bay Municipal Utility District	The proposed project would extend the term of the existing Camanche water right Permit 10478 through the year 2040. Extending the Camanche Permit would allow EBMUD additional time to apply the water provided under Permit 10478 to municipal and industrial use within EBMUD's designated service area. Additionally, EBMUD contends that the full entitlement of Permit 10478 through 2040 is needed to maintain operational flexibility to meet future projected water demand and address system vulnerabilities associated with several factors, including emergencies and potential effects of climate change.	NO ^d	NO ^d	NO ^d	CEQANet web site. Site accessed October 20, 2009. URL = http://www.ceqanet.ca.gov/ProjDocList.asp?ProjectPK=594217
Lower Mokelumne River Spawning Habitat Improvement Project	East Bay Municipal Utility District	The Mokelumne River is tributary to the Sacramento-San Joaquin River Delta and supports five species of anadromous fish. The proposed project would initially place 4,000 to 5,000 cubic yards of suitably sized salmonid spawning gravel annually for a 3-year period at two specific sites, and then provide annual supplementation of 600 to 1,000 cubic yards thereafter. Fall-run Chinook salmon and steelhead are the primary management focus in the river. Availability of spawning gravel in this section of the Mokelumne River has been determined to be deficient because historic gold and aggregate mining operations removed gravel annually and upstream dams have reduced gravel transport to the area. This area was chosen because it is known to have supported fall-run Chinook salmon and steelhead spawning in the past and because the substrate is suitable for habitat improvement.	YES ^a	YES ^a	YES ^a	CEQANet web site. Site accessed October 20, 2009. URL = http://www.ceqanet.ca.gov/ProjDocList.asp?ProjectPK=596121
Water Supply Management Program 2040	East Bay Municipal Utility District	East Bay Municipal Utility District's current Water Supply Management Program (WSMP 2020), adopted in 1993, serves as the basis for water conservation and recycling programs	NO ^d	NO ^d	NO ^d	EBMUD web site. Water Supply Management Plan 2040. Site accessed October

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>and for development of supplemental supply initiatives such as the Freeport Regional Water Project. The WSMP 2040 updates the current plan and extends the planning horizon another 20 years. It identifies and recommends a Preferred Portfolio of solutions to meet dry-year water needs through 2040, including desalination, enlargement of Mokelumne River reservoirs.</p> <p>The primary objectives of the WSMP 2040 are to maintain and improve EBMUD's water supply reliability to its customers and help meet the need for water in the future. WSMP 2040 will also adapt the EBMUD's water planning approach to circumstances that have changed since WSMP 2020 was adopted, such as competing and changing demands for water, the availability of Freeport water after 2009, and long-term climate change.</p>				<p>20, 2009. URL = http://www.ebmud.com/water_&_environment/water_supply/water_supply_management_program/default.htm</p> <p>EBMUD. 2009. Water Supply Management Program 2040. Final Draft September 2009.</p>
Bay Area Regional Desalination Project	East Bay Municipal Utility District, Contra Costa Water District, Santa Clara Valley Water District, and San Francisco Public Utility Commission	<p>The Bay Area's four largest water agencies are jointly exploring the development of regional desalination facilities that would benefit Bay Area residents and businesses served by these agencies. The Bay Area Regional Desalination Project could consist of one or more desalination facilities, with an ultimate total capacity of up to 71 million gallons per day. The project would provide an additional source of water during emergencies, such as earthquakes or levee failures, increase supply reliability, and provide water during droughts or maintenance of other facilities. A pilot plant was constructed near the southern end of Antioch Bridge. Following the pilot study, environmental documentation and designs will be completed for a full-scale plant.</p>	NO ^d	NO ^d	NO ^d	<p>San Francisco Public Utilities Commission web site. Fact Sheet. Site accessed June 30, 2009. URL = http://sfwater.org/Files/FactSheets/desal_FS_Jan2008(2).pdf</p> <p>URS. 2007. Bay Area Regional Desalination Project Feasibility study. July.</p> <p>Bay Area Regional web site. Site accessed December 14, 2014. URL = http://www.regionaldesal.c</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
						om/
Folsom Lake Temperature Control Device	El Dorado Irrigation District (EID) and U.S. Bureau of Reclamation	El Dorado Irrigation District, in collaboration with the U.S. Bureau of Reclamation, proposes to construct facilities on the bank of Folsom Lake to withdraw water from the warm upper reaches of the lake while preserving the cold water pool at the bottom of the lake to protect downstream aquatic species. The facilities will include a large diameter concrete lined vertical shaft and five lined horizontal adits extending from the shaft. This structure, known as a Temperature Control Device (TCD) will replace the District's five existing raw pump casings that currently extract water from Folsom Lake at a rate of 19.5 MGD. The new facility will be sized to accommodate a maximum extraction rate of 74 MGD over an 18-hr period, which is equivalent to 52 MGD.	NO ^d	NO ^d	NO ^d	
Supplemental Water Rights Project	El Dorado Water and Power Authority (EDWPA)	The proposed project is to establish permitted water rights allowing diversion of water from the American River basin to meet planned future water demands in the EID and GDPUD service areas and other areas located within El Dorado County that are outside of these service areas. EDWPA will be filing with the State Water Resources Control Board, Division of Water Rights, petitions for partial assignment of each of State Filed Applications 5644 and 5645, and accompanying applications allowing for the total withdrawal for use of 40,000 acre-feet per year, consistent with the diversion and storage locations allowed it under the El Dorado-Sacramento Municipal Utility District (SMUD) Cooperation Agreement.	NO ^d	NO ^d	NO ^d	EDWPA. 2008. Initial Study for the El Dorado Water & Power Authority Supplemental Water Rights Project. October 24, 2008. El Dorado Water & Power Authority. 2008. Notice of Preparation Supplemental Water Rights Project. October 24, 2008
Freeport Regional Water Project	Freeport Regional Water Authority and U.S. Bureau of Reclamation	Freeport Regional Water Authority, a Joint Powers Authority created by exercise of a joint powers agreement between the Sacramento County Water Agency (SCWA) and EBMUD, is constructing a new water intake facility/pumping plant and 17-mile underground water pipeline within Sacramento County. The new water intake facility and pumping plant is	NO ^b	YES ^b	YES ^b	FCWA web site. Fact Sheet. Site accessed June 30, 2009. URL = http://www.freeportproject.org/nodes/construction/

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		located on the Sacramento River at the Freeport Bend, just upstream of Freeport and 10 miles south of Sacramento. The pumping plant will divert up to 185 million gallons per day of water from the river and pump it through new pipelines to EBMUD and SCWA project facilities. Components of the facility include an in-river intake fish screen, sheet-piled in-river transition structure, electrical substation, surge control facility, compressed air system, sediment collection and settling basin system, and utilities. Construction of the intake is expected to be completed in 2010; the water treatment plant is expected to be completed in 2012.				
Eastern San Joaquin Integrated Conjunctive Use Program	Northeastern San Joaquin County Groundwater Banking Authority (NSJCGBA)	<p>The Integrated Conjunctive Use Program is to develop approximately 140,000 to 160,000 acre-feet per year (AF/yr) of new surface water supply for the basin that will be used to directly and indirectly to support conjunctive use by the Northeastern San Joaquin County Groundwater Banking Authority (GBA) member agencies. This amount of water would support groundwater recharge at a level consistent with the GBA's objectives for conjunctive use and the underlying groundwater basin. Within this framework, the program would implement the following categories of conjunctive use projects and actions:</p> <ul style="list-style-type: none"> • Water conservation measures • Water recycling • Groundwater banking • Water transfers • Development of surface storage facilities • Groundwater recharge • River withdrawals 	NO ^c	NO ^c	YES ^c	NSJCGBA. 2009. Eastern San Joaquin Basin Integrated Conjunctive Use Program Programmatic Environmental Impact Report. September.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<ul style="list-style-type: none"> Construction of pipelines and other facilities <p>To enable and facilitate sustainable and reliable management of San Joaquin County's water resources, the GBA developed a series of Basin Management Objectives to support conjunctive use and address a variety of water resources issues, including groundwater overdraft, saline groundwater intrusion, degradation of groundwater quality, environmental quality, land subsidence, supply reliability, water demand, urban growth, recreation, agriculture, flood protection, and other issues. The purpose of the Basin Management Objectives is to ensure the long-term sustainability of water resources in the San Joaquin Region.</p>				
Canada-Northwest-California Transmission Project	Pacific Gas and Electric	<p>Avista Utilities, British Columbia Transmission Corp. (BCTC), and Pacific Gas and Electric Company (PG&E) are analyzing the feasibility of constructing a high-voltage electrical transmission line intended to increase access to new renewable resources in British Columbia, Washington, Oregon, and California, and to increase the reliability of interconnected electrical networks. The line as initially conceived would stretch approximately 1,000 miles and would have the capacity to transport up to 3,000 megawatts (MW) of power both south-to-north and north-to-south. This project will require consultation and outreach with local communities, private stakeholders and government officials at all levels – city, county, state and federal – and approval from numerous government agencies over several years.</p> <p>While no route has been determined, a 40-mile wide by 1,000-mile long study area is currently under evaluation; it stretches from Selkirk Substation in southeast British Columbia to the Tesla/Tracy Substation in northern California. A final route will be a much narrower corridor within this 40-mile study area. Over the next few years, the</p>	NO ^d	NO ^d	NO ^d	<p>PG&E web site. Canada - Pacific Northwest - Northern California Transmission Project. Project Overview. Site accessed November 16, 2009. URL = http://www.pge.com/mybusiness/customerservice/northernpgeutility/electrictransmission/canada/overview.shtml</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		project partners will conduct due-diligence on various route options and will confer with public and private stakeholders in and near the proposed transmission line corridor.				
American River Pump Station and Restoration Project	Placer County Water Agency and U.S. Bureau of Reclamation	<p>The American River Pump Station and Restoration Project, completed in 2008, includes a permanent pump station to replace a temporary pumping facility on the American River that was installed in anticipation of construction of Auburn Dam. The project also returned the river to its natural channel. The constructed project includes several features associated with rewatering the project site, constructing the new pump station and screened intake, and creating public access to the reopened river. These features were constructed in two phases, and included the following:</p> <ul style="list-style-type: none"> • Closure of the half-mile-long diversion tunnel • Removal of over 1 million yards of sediment left from Auburn Dam construction • Installation of over 60,000 yards of rocks and boulders • Construction of a whitewater course of chutes and pools alongside a portage path • Installation of a screened intake on a river chute that is safely passable by boat • Installation of a dividing ridge between the whitewater channel and the intake channel • Construction of a pumping well in the canyon wall beneath the pump station • Construction of the pump station and pipelines • Addition of a State Parks entrance facility, parking lots, 2 miles of access roads, and 4,000 feet of hiking trails 	YES ^a	YES ^a	YES ^a	Placer County Water Agency web site. American River Pump Station. Site accessed December 3, 2009. URL = http://www.pcwa.net/

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Sacramento River Water Reliability Study (SRWRS)	Placer County Water Agency and U.S. Bureau of Reclamation	<p>The U.S. Bureau of Reclamation and Placer County Water Agency (PCWA), on behalf of PCWA, Sacramento Suburban Water District, and the cities of Roseville and Sacramento, are investigating the viability of a joint water supply diversion from the Sacramento River to meet the needs of the cost-sharing partners. The Sacramento River Water Reliability Study (SRWRS) plan will be consistent with the Water Forum Agreement in pursuing a Sacramento River diversion to accomplish the following objectives envisioned in the agreement: (1) meeting the needs of planned future growth within the Placer-Sacramento region, (2) maintaining a reliable water supply while reducing diversions of surface water from the American River in future dry years to preserve the river ecosystem, and (3) enhancing ground water conjunctive management to help sustain the quality and availability of ground water for the future.</p> <p>To meet the water supply needs of the cost-sharing partners, the SRWRS is identifying a package of water supply infrastructure components, including new or expanded diversions from the Sacramento, Feather, or American rivers, and new or expanded water treatment and pumping facilities, storage tanks, and major transmission and distribution pipelines. The SRWRS includes a feasibility study and an EIS/EIR for identified water supply alternatives as the basis for seeking necessary biological opinions and permits from the responsible resource agencies to allow execution of necessary agreements and construction of the recommended water supply infrastructure.</p>	NO ^d	NO ^d	NO ^d	<p>Reclamation web site. Site accessed August 20, 2009. URL = http://www.usbr.gov/mp/nepa/nepa_projdetails.cfm?Project_ID=907</p> <p>SRWRS. 2007. Revised Assessment of Water Supply Needs. August. http://www.usbr.gov/mp/srwrs/docs/rev_water_needs_08-2007.pdf</p>
Liberty Island Conservation Bank	Reclamation District 2093	This project received permits and approvals in 2009 to create a conservation bank on the northern tip of Liberty Island that would preserve, create, restore, and enhance habitat for native Delta fish species, including Sacramento River winter-run Chinook salmon, Central Valley spring-run Chinook	NO ^b	YES ^b	YES ^b	<p>CEQAnet web site. Site accessed July 30, 2009. URL = http://www.ceqanet.ca.gov/ProjDocList.asp?ProjectPK</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		salmon, California Central Valley steelhead, delta smelt, and Central Valley fall- and late fall-run Chinook salmon. The project consists of creating tidal channels, perennial marsh, riparian habitat, and occasionally flooded uplands on the site. The project also includes the breaching of the northernmost east-west levee, and preservation and restoration of shaded riverine aquatic habitat along the levee shorelines of the tidal sloughs. The island's private levees failed in the 1997 flood and were not recovered, leaving all but the upper 1,000 acres and the adjacent levees permanently flooded. These upper acres encompass the proposed bank. The lower nearly 4,000 acres will remain, at least for the near future, predominantly open water and subtidal because tidal elevations are too great for marsh or riparian habitat.				=595278 Delta Protection Commission web site. March 2007 Preliminary Bank Proposal. Site accessed July 30, 2009. URL = http://www.delta.ca.gov/meetings/pdf/2007/092707_item_15.pdf
Flood Management Program	Sacramento Area Flood Control Agency, Central Valley Flood Protection Board, and U.S. Army Corps of Engineers	The Sacramento Area Flood Control Agency (SAFCA) Flood Management Program includes studies, designs, and construction of flood control improvements. In the South Sacramento area, SAFCA projects include the South Sacramento Streams Project and the Sacramento River Bank Protection Project. The South Sacramento Streams Project consists of levee, floodwall, and channel improvements starting south of the town of Freeport along the Sacramento River to protect the City of Sacramento from flooding associated with Morrison, Florin, Elder, and Unionhouse creeks. The Sacramento River Bank Protection Project, which is implemented and funded primarily through the U.S. Army Corps of Engineers, addresses long-term erosion protection along the Sacramento River and its tributaries. Bank protection measures typically consist of large angular rock placed to protect the bank, with a layer of soil/rock material to allow bank re-vegetation. SAFCA contributes to funding the local share for bank protection activities within its	YES ^a	YES ^a	YES ^a	SAFCA web site. South Sacramento Streams Project information. Site accessed 30, 2009. URL = http://www.safca.org/Programs_SoSacStreams.html SAFCA web site. Sacramento River Bank Protection Program information. Site accessed 30, 2009. URL = http://www.safca.org/Programs_SacBankProtection.html

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		jurisdiction.				
Sacramento County General Plan Update	Sacramento County	<p>The existing Sacramento County General Plan, adopted in 1993, has a time horizon of 2010. In 2002, the County initiated a comprehensive general plan update to guide the growth and development of the County through the year 2030. In June 2007, the county issued a draft updated general plan and began environmental review.</p> <p>The general plan update covers the entire unincorporated portion of Sacramento County, including portions of the Delta within Sacramento County. The update also includes a Delta Protection Element that identifies goals and objectives within the primary zone of the Delta.</p>	NO ^d	NO ^d	NO ^d	<p>County of Sacramento. 2009. Sacramento County General Plan Update Draft Environmental Impact Report, State Clearinghouse Number: 2007082086. May 2009. (http://www.dera.saccounty.net/PublicNotices/SQLView/ProjectDetails/tabid/71/Default.aspx?ProjectID=31418)</p> <p>County of Sacramento. 2009. Draft General Plan Update. April 13, 2009.</p>
Sacramento International Airport Master Plan	Sacramento County	The Master Plan for Sacramento International Airport was completed in 2004 and establishes a program for the improvement of existing facilities and the development of facilities at the Airport over the next 20 years. The plan identifies the type and extent of facilities that are required to meet projections of aviation demand and the airport functions, including the airfield, terminal and related passenger services, cargo, general aviation, airport support, and access. The Final Environmental Impact Report was completed in 2007. The Terminal Modernization is expected to be completed by 2011.	YES ^a	YES ^a	YES ^a	Sacramento Airports web site. Sacramento International Airport Master Plan. Site accessed December 15, 2009. URL = http://www.sacairports.org/int/planning/master_plan.html
South Sacramento Habitat Conservation	Sacramento County and U.S. Fish and Wildlife Service	The proposed South Sacramento Habitat Conservation Plan (HCP) is a regional plan to address issues related to species conservation, agricultural protection, and urban development in south Sacramento County. The proposed HCP would cover 40 different species of plants and wildlife including 10 that	NO ^d	NO ^d	NO ^d	Sacramento County web site. Site accessed July 2, 2009. URL = http://www.planning.sacoco

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Plan		are state or federally listed as threatened or endangered, and allow land owners to engage in the "incidental take" of listed species (i.e., to destroy or degrade habitat) in return for conservation commitments from local jurisdictions. The conservation measures outlined in the HCP would minimize and mitigate the impact of incidental take and provide for the conservation of covered species that may occur in the plan area. The geographic location of the proposed HCP includes a combined 341,000 acres within south Sacramento County (unincorporated area) and the cities of Rancho Cordova, Elk Grove, and Galt.				county.net/SSHCP/toc.html Sacramento County. 2009. Preliminary Draft South Sacramento Habitat Conservation Plan. November 2, 2009.
Sacramento Stormwater Quality Partnership	Sacramento County, Sacramento, Citrus Heights, Elk Grove, Folsom, Galt, and Rancho Cordova	The Sacramento Stormwater Quality Partnership (SSQP) is a collaborative of public agencies that protects and improves water quality in local waterways for the benefit of the community and the environment. The partnership's main charge is to oversee compliance with the Sacramento Area-wide Municipal Stormwater Permit, which is designed to comply with state and federal clean water regulations (NPDES Stormwater Permit No. CAS082597). The goals of the partnership are to: educate and inform the public about urban runoff pollution; encourage public participation in community and clean-up events; work with industries and businesses to encourage pollution prevention; require construction activities to reduce erosion and pollution; and require developing projects to include pollution controls that will continue to operate after construction is complete. Program elements include monitoring, target pollutant reduction, special studies (such as evaluating the effectiveness of BMPs), and public outreach.	YES ^a	YES ^a	YES ^a	Sacramento Stormwater Quality Partnership website. Site accessed July 21, 2009. URL = http://www.sacramentostormwater.org/SSQP/SSQP.asp . Sacramento Stormwater Quality Partnership website. Stormwater Quality Design Manual. Accessed 7/21/09. URL = http://www.sacramentostormwater.org/SSQP/development.asp Sacramento County Stormwater Quality Program web site. Draft Stormwater Quality Improvement Plan. Site

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
						<p>accessed July 21, 2009. URL = http://www.sactostormwater.org/documents/reports/June2007-SQIP-DRAFT.pdf</p> <p>Sacramento County Stormwater Quality Program web site. 2007-2008 Joint Program Annual Report. Site accessed July 21, 2009. URL = http://www.sactostormwater.org/documents/reports/0708_Joint-AR.pdf</p>
San Francisco Bay Plan Amendment and Special Programs	San Francisco Bay Conservation and Development Commission	The San Francisco Bay Conservation and Development Commission (BCDC) is a 27-member commission created by the California Legislature in 1965 dedicated to the protection and enhancement of San Francisco Bay and to the encouragement of the Bay's responsible use. The commissioners are appointees from local governments and state/federal agencies. The BCDC has jurisdiction over the open water, marshes and mudflats of greater San Francisco Bay, including Suisun, San Pablo, Honker, Richardson, San Rafael, San Leandro and Grizzly Bays and the Carquinez Strait, and some inland areas. It regulates all filling and dredging in San Francisco Bay (which includes San Pablo and Suisun Bays, sloughs and certain creeks and tributaries that are part of the Bay system, salt ponds and certain other areas that have been diked-off from the Bay), protects Suisun Marsh, regulates new development within the first 100 feet inland from the Bay, pursues an active planning program to study Bay issues, and engages in the region-wide state and federal program to prepare a Long Term Management	NO ^d	NO ^d	NO ^d	<p>San Francisco Bay Conservation and Development Commission web site. Site accessed September 1 2009. URL = http://www.bcdc.ca.gov/permits/faqs.shtml</p> <p>Draft Staff Report and Preliminary Recommendation for Proposed Bay Plan Amendment 1-08 Concerning Climate Change. Site accessed September 2, 2009. URL = http://www.bcdc.ca.gov/proposed_bay_plan/bp_amend_1-08.shtml</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>Strategy for dredging and dredge material disposal in San Francisco Bay.</p> <p>Among its various responsibilities, the BCDC sponsors special programs that address climate change planning; subtidal habitat research, restoration and management; and a long-term management strategy for the placement of dredged material in the San Francisco Bay region.</p>				
San Francisco Bay Mercury TMDL	San Francisco Bay Region Water Quality Control Board	<p>San Francisco Bay is impaired because mercury contamination is adversely affecting existing beneficial uses, including sport fishing, preservation of rare and endangered species, and wildlife habitat. On February 12, 2008, the U.S. Environmental Protection Agency approved a Basin Plan amendment incorporating a TMDL for mercury in San Francisco Bay and an implementation plan to achieve the TMDL. The amendment was formerly adopted by the San Francisco Bay Water Board, the State Water Resources Control Board, and the state Office of Administrative Law. It is now officially incorporated into the Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan). The San Francisco Bay mercury TMDL, which includes the waters of the Delta within the San Francisco Bay region, is intended to:</p> <ol style="list-style-type: none"> 1) reduce mercury loads to achieve load and wasteload allocations, 2) reduce methylmercury production and consequent risk to humans and wildlife exposed to methylmercury, 3) conduct monitoring and focused studies to track progress and improve the scientific understanding of the system, and 4) encourage actions that address multiple pollutants. <p>The implementation plan establishes requirements for dischargers to reduce or control mercury loads and identifies actions necessary to better understand and control methylmercury production. In addition, it addresses potential mercury sources and describes actions necessary to manage risks to Bay fish consumers. Load</p>	YES ^a	YES ^a	YES ^a	SFBRWQCB. 2006. Basin Plan Amendment.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		reductions are expected via implementation of the Delta Methylmercury TMDL (river source), plus urban runoff management, Guadalupe River mine remediation, municipal and industrial wastewater source controls and pretreatment, and sediment remediation.				
Alameda Watershed Habitat Conservation Plan	San Francisco Public Utilities Commission, U.S. Fish and Wildlife Service, and National Marine Fisheries Service.	San Francisco Public Utilities Commission (SFPUC) is in the process of developing a Habitat Conservation Plan in compliance with the federal Endangered Species Act for the purpose of conserving sensitive species that could be affected by operations and maintenance activities in the Alameda Creek watershed. The HCP proposes coverage for 17 species, including steelhead and Chinook salmon, over a period 30 years. Activities covered by the HCP include those in the Alameda Watershed Management Plan adopted in 2000 to maintain and improve source water quality and supply while preserving and enhancing the watershed's ecological resources. The SFPUC-owned Alameda Watershed consists of 36,000 acres of rolling grasslands, native woodlands, scrub and freshwater marshes within the Southern Alameda Creek Watershed. The conservation measures are expected to consist of a combination of avoidance and minimization measures, water and land management, river and stream restoration, barrier modification, and threat abatement.	NO ^d	NO ^d	NO ^d	SFPUC web site. Site accessed on July 30, 2009. URL = http://sfwater.org/detail.cfm/MC_ID/20/MSC_ID/188/C_ID/3798/ListID/3
San Joaquin County Multi-Species Habitat Conservation and Open Space Plan	San Joaquin Council of Governments	Permitted in 2000, the key purpose of the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (Plan) is to provide a strategy for balancing the need to conserve open space and the need to convert open space to non-open space uses. These goals are intended to be met while protecting the region's agricultural economy; preserving landowner property rights; providing for the long-term management of plant, fish and wildlife species, especially those that are currently listed, or may be listed in the future, under the federal Endangered Species Act (ESA) or	YES ^a	YES ^a	YES ^a	San Joaquin Council of Governments web site. Site accessed on November 30, 2009. URL = http://www.sjcog.org/Programs%20&%20Projects/Habitat_files/Habitat-Main-page.htm San Joaquin Council of

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>the California Endangered Species Act (CESA); providing and maintaining multiple-use open spaces that contribute to the quality of life of the residents of San Joaquin County; and accommodating a growing population while minimizing costs to project proponents and society at large.</p> <p>The conservation strategy relies on minimizing, avoiding, and mitigating impacts on the species covered by the Plan. Minimization of impacts on covered species takes a species-based approach emphasizing the implementation of measures to minimize incidental take by averting the actual killing or injury of individual covered species and minimizing impacts to habitat for such species on open space lands converted to non-open space uses. Unavoidable impacts to covered species are addressed through a habitat-based approach that emphasizes compensation for habitat losses through the establishment, enhancement and management-in-perpetuity of preserves composed of a specific vegetation types or association of vegetation types (habitats) upon which discrete groups of covered species rely. The purchase of easements from landowners willing to sell urban development rights is the primary method for acquiring preserves. The Plan identifies zones distinguished by a discrete association of soil types, water regimes (e.g., Delta lands subject to tidal influence, irrigated lands, lands receiving only natural rainfall), elevation, topography and vegetation types. In general, impacts within a particular zone are mitigated within the same zone.</p>				<p>Governments web site. 2008 Report. Site accessed on November 30, 2009. URL = http://www.sjcog.org/docs/pdf/HTAC/2008%20Annual%20Report_Final.pdf</p> <p>San Joaquin County. 2000. San Joaquin County Multi-Species Habitat Conservation and Open Space Plan. November 14.</p>
San Joaquin County General Plan Update	San Joaquin County	The San Joaquin County General Plan 2010 was adopted on July 29, 1992. The general plan provides guidance for future growth in a manner that preserves the county's natural and rural assets. Most of the urban growth is directed to existing urban communities.	NO ^d	NO ^d	NO ^d	<p>San Joaquin County General Plan Update web site. Sites Accessed August 6, 2009. URL = http://www.sjcgpu.com/ov</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		In June 2008, San Joaquin County began the process to update the 1992 general plan. The general plan update will provide the blueprint for growth in the county unincorporated areas through 2030.				erview.html#what San Joaquin County. 2009. San Joaquin County General Plan Update Draft Guiding Principles. October.
San Joaquin County, Stockton, and Tracy Stormwater Management Programs	San Joaquin County (Department of Public Works), Stockton (Municipal Utilities Department), Tracy (Water Resources Department), and State Water Resources Control Board	<p>San Joaquin County has developed a Stormwater Management Program committed to protecting local rivers and the Delta by involving and educating residents in stormwater pollution prevention, regulating stormwater runoff from construction sites, investigating non-stormwater discharges, and reducing non-stormwater run-off from municipal operations. Storm drainage is conveyed via County storm drains to the Calaveras, Mokelumne, Old, and San Joaquin Rivers, where it ultimately flows into the Delta.</p> <p>In addition to the County program, several municipalities in San Joaquin County have developed stormwater management programs and obtained National Pollutant Discharge Elimination (NPDES) permits from the State Water Resources Control Board (SWRCB). Permits issued for medium (serving between 100,000 and 250,000 people) and large (serving 250,000 people) municipalities are typically issued to a group of co-permittees encompassing an entire metropolitan area. These permits are reissued as the permits expire. For smaller municipalities, the first 5-year term of the NPDES permits were adopted by the SWRCB in 2003 and expired on May 1, 2008. Under the General Permit, Section H.21, Continuation of Expired Permit, the General Permit continues in force and in effect until a new General Permit is issued or the SWRCB rescinds the General Permit.</p> <p>The goals of the City of Stockton's program are to reduce the degradation of the beneficial uses of the San Joaquin River and tributary streams and the regional groundwater aquifer</p>	YES ^a	YES ^a	YES ^a	<p>County of San Joaquin. 2003. Stormwater Management Plan. September.</p> <p>City of Stockton. 2003. City of Stockton Stormwater Management Plan. September.</p> <p>City of Tracy. 2003. Stormwater Management Program. September.</p> <p>City of Tracy web site. Tracy Water Resources Department. Site accessed July 21, 2009. URL = http://www.ci.tracy.ca.us/departments/public_works/water_resources/</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		caused by urban runoff in the metropolitan area of Stockton. The City of Tracy's NPDES permit requires the City to develop and implement a Storm Water Management Plan/Program with the goal of reducing the discharge of pollutants to the maximum extent practicable.				
Delta Wetlands Project	Semitropic Water Storage District	In 1987, Delta Wetlands, a California Corporation, proposed a project for water storage and wildlife habitat enhancement on four privately owned islands in the Sacramento-San Joaquin Delta. The four islands considered were Bacon Island and Bouldin Island in San Joaquin County and Holland Tract and Webb Tract in Contra Costa County, encompassing approximately 23,000 acres. The project description contained in final EIR/EIS, prepared by the State Water Resources Control Board and U.S. Army Corps of Engineers and completed in 2001, involved the diversion and storage of winter flows on Bacon Island and Webb Tract for beneficial uses in summer, and developing seasonal wetlands and riparian habitats on Bouldin Island and most of Holland Tract. The project would divert 312,000 acre-feet of water from Delta through large siphons during December 15 through May 1. The stored water would be discharged to Delta outflows from May through July. From August to December, the habitat islands would be vegetated with wetland plants to support wintering waterfowl. From October through December the islands would be managed as waterfowl habitat, where private hunting would be permitted. In 2007, the Semitropic Water Storage District (Semitropic WSD) partnered with the Delta Wetlands Project in response to State Water Resources Control Board requirements to identify buyers of water provided by the project. Under the current proposal, the project would: 1) provide water to	NO ^d	NO ^d	NO ^d	CEQAnet web site. Site accessed September 2, 2009. URL = http://www.ceqanet.ca.gov/ProjDocList.asp?ProjectPK=1718 Delta Wetlands web site. Program Chronology. Site accessed September 2, 2009. URL = http://www.deltawetlands.com/latest_news.htm SWRCB. 2001. Final environmental impact report for the Delta Wetlands Project. January. USACE. 2001. Final environmental impact statement for the Delta Wetlands Project. July. Semitropic Water Storage District. 2009. Supplement to Notice of Preparation, Delta Wetlands Project Place of Use Environmental

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		Semitropic WSD to augment its water supply, 2) bank water within the Semitropic Groundwater Storage Bank and Antelope Valley Water Bank, and 3) provide water to other places, including the service areas of the Golden State Water Company and Valley Mutual Water Company. The San Bernadino Valley Municipal Water District, Western Municipal Water District of Riverside County, and Metropolitan Water District of Southern California also are potential places of use. Semitropic WSD would operate the Delta Wetlands Project in conjunction with the Semitropic groundwater storage bank to maximize project flexibility and yield. Delta Wetlands Project water would be provided to Semitropic WSD landowners for irrigation purposes and to other places of use. Semitropic WSD issued a Draft EIR in 2010 and a Final EIR in 2012.				Impact Report.
Solano Multispecies Habitat Conservation Plan	Solano County Water Agency	The Solano Habitat Conservation Plan (HCP) is intended to support the issuance of an incidental take permit under the federal Endangered Species Act for a period of 30 years. This permit is required by the March 19, 1999 Solano Project Contract Renewal Biological Opinion between the U.S. Fish and Wildlife Service and U.S. Bureau of Reclamation. The scope of the Solano HCP was expanded beyond the requirements of the Biological Opinion to include additional voluntary applicants and additional species for incidental take coverage. Thirty-seven (37) species are proposed to be covered under the Solano HCP. The minimum geographical area to be covered is the Solano County Water Agency's contract service area that is the cities of Fairfield, Vacaville, Vallejo, Suisun City, the Solano Irrigation District and the Maine Prairie Water District. The area covered by the HCP is all of Solano County and a small portion of Yolo County. The Final Administrative Draft was submitted to the lead agencies in June 2009.	NO ^d	NO ^d	NO ^d	Solano County Water Agency web site. Habitat Conservation. Site accessed July 28, 2009. URL = http://www.scwa2.com/Conservation_Habitat_Info.aspx Solano County Water Agency web site. Habitat Conservation. Site accessed July 28, 2009. FAQs. URL = http://www.scwa2.com/Conservation_Habitat_FAQs.aspx Solano County Water Agency web site. Lower Yolo Bypass Planning

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>The HCP includes a Coastal Marsh Natural Community Conservation Strategy designed to maintain the water and sediment quality standards, hydrology of this natural community; contribute to the restoration of tidally influenced coastal marsh habitat; and promote habitat connectivity. Primary conservation actions include preservation (primarily through avoidance), restoration, invasive species control, and improvement of water quality.</p> <p>The plan area Covers 580,000 acres, which includes 12,000 acres of proposed development and 30,000 acres that will be preserved.</p>				<p>Forum. Presentation. Solano Multispecies Habitat Conservation Plan and Yolo County Habitat/Natural Community Conservation Plan. Site accessed July 28, 2009. URL = http://www.yolobypass.net/docs/meeting_5/PRESENTATION%20Solano%20County%20HCP.pdf</p> <p>Solano County Water Agency. 2009. Solano HCP Final Administrative Draft. June 15, 2009.</p>
Delta Water Supply Project	Stockton	<p>The Delta Water Supply Project would develop a new supplemental water supply for the Stockton Metropolitan Area by diverting water from the Delta and conveying it through a pipeline to a surface water treatment plant, where it would be treated to the highest drinking water standards and distributed. Initially, the project would have the capacity to treat and deliver up to 30 million gallons per day (mgd) or 33,600 acre-feet of water per year, meeting approximately one third of Stockton's water needs.</p>	NO ^b	YES ^b	YES ^b	<p>City of Stockton Municipal Utilities Department project web site. Site accessed July 8, 2009. URL = http://www.deltawatersupplyproject.com/</p> <p>City of Stockton Municipal Utilities Department project web site. Project documents. Site accessed July 8, 2009. URL = http://www.stocktongov.com/MUD/General/reports_forms.cfm#DWSPProject</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
						City of Stockton. 2009. Delta Water Supply Project Update. March.
Battle Creek Salmon and Steelhead Restoration Project	U.S. Bureau of Reclamation and California State Water Resources Control Board	<p>Construction of the Battle Creek Salmon and Steelhead Restoration Project was initiated in 2009 reestablish approximately 42 miles of prime salmon and steelhead habitat on Battle Creek, plus an additional 6 miles on its tributaries. The species benefited by the project include the Central Valley spring-run Chinook salmon (state- and federally listed as threatened), the Sacramento River winter-run Chinook salmon (state- and federally listed as endangered), and the Central Valley steelhead (federally listed as threatened).</p> <p>Restoration of Battle Creek will be accomplished primarily through the modification of the Battle Creek Hydroelectric Project (Federal Energy Regulatory Commission [FERC] Project No. 1121) facilities and operations, including instream flow releases. Facility changes include the removal of five diversion dams and construction of fish ladders and fish screens at three diversion dams. The Pacific Gas and Electric Company (PG&E) is the owner and licensee of the Hydroelectric Project. Any changes to the Hydroelectric Project trigger the need for PG&E to seek a license amendment from FERC.</p> <p>The Restoration Project has been developed in collaboration with various resource agencies, including the U.S. Fish and Wildlife Service, National Marine Fisheries Service, the California Department of Fish and Game, and the California Bay Delta Authority, and in conjunction with participation from the public, including the Greater Battle Creek Watershed Working Group and the Battle Creek Watershed Conservancy.</p>	NO ^b	YES ^b	YES ^b	<p>Battle Creek Watershed Conservancy web site. Site accessed on November 12, 2009. URL = http://www.battle-creek.net/restoration.html</p> <p>Reclamation and SWRCB. 2005. Battle Creek Salmon and Steelhead Restoration Project final environmental impact statement/environmental impact report. Volume I: Report. July.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Delta Dredged Sediment Long-Term Management Strategy	U.S. Army Corps of Engineers	The Delta Dredged Sediment Long-Term Management Strategy is a cooperative planning effort to coordinate, plan, and implement beneficial reuse of sediments in the Delta. Five agencies (U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, California Department of Water Resources, California Bay Delta Authority, and the Central Valley Regional Water Quality Control Board) have begun to examine Delta dredging, reuse, and disposal needs. The strategy development process will examine and coordinate dredging needs and sediment management in the Delta to assist in maintaining and improving channel function (navigation, water conveyance, flood control, and recreation), levee rehabilitation, and ecosystem restoration. Agencies and stakeholders will work cooperatively to develop a sediment management plan that is based on sound science and protective of the ecosystem, water supply, and water quality functions of the Delta. As part of this effort, the sediment management plan will consider regulatory process improvements for dredging and dredged material management so that project evaluation is coordinated, efficient, timely, and protective of Delta resources.	YES ^a	YES ^a	YES ^a	Delta Protection Commission web site. Monthly USACE fact sheet on Delta projects. Site accessed July 13, 2009. http://www.delta.ca.gov/pdf/Delta_News_Issue38.pdf
Lower San Joaquin Feasibility Study	U.S. Army Corps of Engineers	The Lower San Joaquin Feasibility Study is intended to determine if there is a federal interest in providing flood risk management and ecosystem restoration improvements along the Lower (northern) San Joaquin River. The Lower San Joaquin River study area includes the San Joaquin River from the Mariposa Bypass downstream to, and including, the city of Stockton. The study area also includes the channels of the San Joaquin River in the southernmost reaches of the Delta: Paradise Cut and Old River as far north as Tracy Boulevard and Middle River as far north as Victoria Canal. The floodplains of the lower San Joaquin River and its tributaries are also included in the study area.	NO ^d	NO ^d	NO ^d	U.S. Army Corps of Engineers. 2009. Delta news. Issue 42, September 2009. URL = http://www.spk.usace.army.mil/projects/civil/Delta/Docs/Delta_News_Issue42.pdf

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Suisun Bay Channel Operations and Maintenance	U.S. Army Corps of Engineers	The project is located 30 miles northeast of San Francisco and is part of the San Francisco Bay to Stockton Ship Channel. The project provides for annual maintenance dredging of the main channel, 300 feet wide and -35 feet deep at Mean Lower Low Water, from the Carquinez Strait at Martinez to Pittsburg (called Suisun Bay Channel), and maintenance dredging of New York Slough Channel farther upstream to Antioch (a distance of 17 miles). The project also provides annual maintenance dredging for a channel 250 feet wide and -20 feet deep south of Seal Islands, from the main channel at Point Edith to the main channel again at Port Chicago at mile 6.	YES ^a	YES ^a	YES ^a	USACE web site. Suisun Bay Channel Operations and Maintenance. Site accessed November 1, 2009. URL = http://www.spn.usace.army.mil/projects/suisunbayo&m.html .
Suisun Channel (Slough) Operation and Maintenance	U.S. Army Corps of Engineers	The Suisun Channel connects the City of Suisun near Fairfield, California to Grizzly Bay and thus to Suisun Bay 30 miles northeast of San Francisco. Project operations and maintenance provides for maintenance dredging of an entrance channel in Suisun Bay 200 feet wide and -8 feet deep, and thence a channel 100 to 125 feet wide and -8 feet deep for 13 miles to the head of navigation at City of Suisun, with a turning basin. This shallow draft channel is maintained on an infrequent basis.	YES ^a	YES ^a	YES ^a	USACE web site. Suisun Bay Channel Operations and Maintenance. Site accessed November 1, 2009. URL = http://www.spn.usace.army.mil/projects/suisunchannelo&m.html .
Delta Islands and Levees Feasibility Study	U.S. Army Corps of Engineers and California Department of Water Resources	The feasibility study will address flood risk management, ecosystem restoration, water quality, water supply, and a variety of other issues. The California Department of Water Resources' (DWR) Delta Risk Management Strategy studies will be used to define problems, opportunities, and specific planning objectives. The feasibility study provides the mechanism by which the U.S. Army Corps of Engineers (USACE) can participate in a cost-shared solution to a variety of water resources needs for which it has authority. USACE and DWR share the cost of the feasibility study equally.	NO ^d	NO ^d	NO ^d	Delta Protection Commission. Monthly USACE fact sheet on Delta projects. Site accessed July 13, 2009. URL = http://www.delta.ca.gov/pdf/Delta_News_Issue38.pdf

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
San Francisco Bay to Stockton Deep Water Ship Channel Project	U.S. Army Corps of Engineers, Port of Stockton, and Contra Costa County Water Agency	The San Francisco Bay to Stockton Deep Water Ship Channel Project is a congressionally authorized project being implemented by the U.S. Army Corps of Engineers (USACE), the Port of Stockton, and Contra Costa County Water Agency. A joint EIS/EIR will evaluate the action of navigational improvements to the Stockton Deep Water Ship Channel. A General Reevaluation Report is being prepared to determine the feasibility of modifying the current dimensions of the West Richmond, Pinole Shoal, Suisun Bay, and Stockton Ship Channels, which are currently maintained to 35 feet and provide access to oil terminals, industry in Pittsburg, and the Port of Stockton. The proposed action consists of altering the depth of the deep draft navigation route.	NO ^d	NO ^d	NO ^d	USACE web site. Accessed July 9, 2009. URL = http://www.spn.usace.army.mil/projects/stockton_navigation/index.html USACE web site. Accessed July 9, 2009. URL = http://www.spn.usace.army.mil/projects/stockton_navigation/Combined%20F2%20handouts.pdf
Sacramento Deep Water Ship Channel Project	U.S. Army of Corps of Engineers and Port of Sacramento	The Sacramento River Deep Water Ship Channel Project is a Congressionally authorized project being implemented by USACE and the Port of Sacramento. The proposed project would complete the deepening and widening of the navigation channel to its authorized depth of 35 feet. Deepening of the existing ship channel is anticipated to allow for movement of cargo via larger, deeper draft vessels. Widening portions of the channel would increase navigational safety by increasing maneuverability. The 46.5-mile-long ship channel lies within Contra Costa, Solano, Sacramento, and Yolo counties and serves the marine terminal facilities at the Port of Sacramento. The Sacramento Deep Water Ship Channel joins the existing 35-foot-deep channel at New York Slough, thereby affording the Port of Sacramento access to San Francisco Bay Area harbors and the Pacific Ocean.	NO ^d	NO ^d	NO ^d	Sacramento Deep Water Ship Channel web site. Site accessed July 31, 2009. URL = http://www.sacramentoshipchannel.org/
Delta-Mendota Canal/California Aqueduct	U.S. Bureau of Reclamation	The Delta-Mendota Canal/California Aqueduct Intertie consists of constructing and operating a pumping plant and pipeline connection between the Delta Mendota Canal (DMC) and the California Aqueduct. The Intertie would be used to	NO	NO	YES ^c	Reclamation and San Luis and Delta Mendota Water Authority. 2004. Draft Environmental

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Intertie		<p>achieve multiple benefits, including meeting current water supply demands, allowing for the maintenance and repair of the Central Valley Project (CVP) Delta export and conveyance facilities, and providing operational flexibility to respond to emergencies related to both the CVP and the State Water Project. The Intertie would include a 450-cfs pumping plant at the DMC that would allow up to 400 cfs to be pumped from the DMC to the California Aqueduct via an underground pipeline. The additional 400 cfs would bring the Jones Pumping Plant to its authorized amount of 4,600 cfs. Because the California Aqueduct is located approximately 50 feet higher in elevation than the DMC, up to 900 cfs flow could be conveyed from the California Aqueduct to the DMC using gravity flow.</p> <p>The Intertie would be owned by the federal government and operated by the San Luis & Delta-Mendota Water Authority. An agreement among Reclamation, DWR, and the San Luis & Delta-Mendota Water Authority would identify the responsibilities and procedures for operating the Intertie. A permanent easement would be obtained by Reclamation where the Intertie alignment crosses State property.</p>				<p>Assessment/Initial Study and proposed Finding of No Significant Impact/Negative Declaration. September 2004.</p> <p>Reclamation. 2009. Delta-Mendota Canal/California Aqueduct Intertie Draft Environmental Impact Statement. July 2009.</p> <p>Reclamation website. Accessed July 21, 2009. URL = http://www.usbr.gov/mp/nepa/nepa_projdetails.cfm?Project_ID=1014</p> <p>Reclamation. 2009. Delta-Mendota Canal/California Aqueduct Intertie Final Environmental Impact Statement. November 2009.</p>
Shasta Lake Water Resources Investigation	U.S. Bureau of Reclamation	The Shasta Lake Water Resources Investigation is currently being undertaken by the U.S. Bureau of Reclamation to determine the type and extent of federal interest in a multiple purpose plan to modify Shasta Dam and Reservoir to increase survival of anadromous fish populations in the upper Sacramento River; increase water supplies and water supply reliability to agricultural, municipal and industrial, and environmental purposes; and, to the extent possible through meeting these objectives, include features to benefit other	NO ^d	NO ^d	NO ^d	<p>DWR. 2009. Project Summary Sheet. Site accessed July 14, 2009. URL = http://calwater.ca.gov/Program_Performance/Project_Summary_Sheet.aspx?project=USBR_035</p> <p>Reclamation. 2007. Plan</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		identified ecosystem, flood damage reduction, and related water resources needs, consistent with the objectives of the CALFED Bay Delta Program. Anticipated alternatives for expansion of Shasta Lake include, among other features, raising the dam from 6.5 to 18.5 feet above current elevation, which would result in additional storage capacity of 256,000 to 634,000 acre-feet, respectively. The increased capacity is expected to improve water supply reliability and increase the cold water pool, which would provide improved water temperature conditions for anadromous fish in the Sacramento River downstream of the dam.				Formulation Report: Shasta Lake Water Resources Investigation. December 2007.
Delta-Mendota Canal Recirculation Feasibility Study	U.S. Bureau of Reclamation and California Department of Water Resources	Delta Mendota Canal (DMC) recirculation is a concept under study by the U.S. Bureau of Reclamation and California Department of Water Resources to augment San Joaquin River flows with Sacramento-San Joaquin River Delta water to reduce salinity and to maintain adequate flows required for beneficial uses. To accomplish this, the study is investigating options for recirculating water pumped from the Jones Pumping Plant, located in the south Delta near Tracy, through the DMC for release to the San Joaquin River. These releases would reach the San Joaquin River and eventually the south Delta via an existing wasteway or a yet to be identified route. The purpose of study is to meet certain requirements of PL 108-361 and D1641. The study has been proposed as a way "to provide flow, reduce salinity concentrations into the San Joaquin River, and reduce the reliance on the New Melones Reservoir for meeting water quality and fishery flow objectives through the use of excess capacity in export pumping and conveyance facilities" consistent with PL 108-361, Title 1, Section 103.	NO ^d	NO ^d	NO ^d	DWR web site. Bay Delta. Accessed July 28, 2009. URL = http://baydeltaoffice.water.ca.gov/sdb/recirc/dmc_recirc_fact_sheet.pdf
North-of-the-Delta Offstream Storage	U.S. Bureau of Reclamation and California	The North-of-the-Delta Offstream Storage Investigation (NODOS) evaluates the feasibility of offstream storage in the northern Sacramento Valley for improved water supply and	NO ^d	NO ^d	NO ^d	Reclamation. 2008. North-of-the-Delta Offstream Storage Investigation Plan

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Investigation	Department of Water Resources	water supply reliability, improved water quality, and enhanced survival of anadromous fish and other aquatic species. Specific objectives of the investigation are to: 1) increase water supplies to meet existing contract requirements, including improved water supply reliability, and provide greater flexibility in water management for agricultural, environmental, and municipal and industrial (M&I) users; 2) increase the survival of anadromous fish populations in the Sacramento River, as well as the survivability of other aquatic species; and 3) improve drinking water quality in the Delta. All initial alternatives include construction of a dam and reservoir at the Sites location, with various facilities and configurations for conveyance into and out of the reservoir.				Formulation Report. September 2008.
Sacramento Valley Water Management Plan	U.S. Bureau of Reclamation and California Department of Water Resources	In 1997, the State Water Resources Control Board (SWRCB) issued a notice of the water rights hearings to allocate responsibility for meeting the 1995 Delta Water Quality Control Plan (WQCP) objectives. Because the issues were so complex, the SWRCB divided the water rights proceedings into eight phases. Phase 8 was to allocate responsibility for satisfying the flow-related water quality objectives of the 1995 Delta WQCP among water right holders in the watersheds of the Sacramento, Cosumnes, and Calaveras Rivers. To avoid the consequences of delay associated with resolving Phase 8 issues, over 40 water suppliers in the Sacramento Valley, California Department of Water Resources (DWR), U.S. Bureau of Reclamation (Reclamation), and the Downstream Water Users developed a cooperative water management partnership to better manage water and provide a mechanism for satisfying Bay-Delta water quality and flow objectives. This partnership led to the development of the Short-Term Settlement Agreement which continues the commitment of Reclamation and DWR to meet the SWRCB D-	NO ^d	NO ^d	NO ^d	DWR web site. Sacramento Valley Water Management Plan. Site accessed July 22, 2009. URL = http://www.svwmp.water.ca.gov/

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>1641 flow-related standards, and provides for a collaborative process among the parties to develop projects to meet water supply, water quality, and environmental needs in the Sacramento Valley, Bay-Delta, and throughout California. As a result of the parties' commitment, on January 31, 2003 the SWRCB dismissed Phase 8 of the Bay-Delta Hearings.</p> <p>As part of the agreement, 185,000 acre-feet of capacity is to be provided within three years of implementing the agreement to assist with meeting local and WQCP requirements as well as south of Delta needs. As part of the agreement, the parties agreed to further the objective to meet unmet water demands in the Sacramento Valley by providing at least 92,500 acre-feet, and up to a total of 185,000 acre-feet to support SWP and CVP water supplies during certain water year types. This would be accomplished through increased groundwater use and reservoir reoperation in lieu of river diversions.</p>				
Upper San Joaquin River Basin Storage Investigation	U.S. Bureau of Reclamation and California Department of Water Resources	<p>The Upper San Joaquin River Basin Storage Investigation is intended to examine how Upper San Joaquin Storage can enhance the San Joaquin River restoration efforts and improve water supply reliability for agricultural, municipal and industrial, and environmental uses in the Friant Division, the San Joaquin Valley, and other regions of the state. The Investigation also will evaluate integration of conjunctive management and water transfer concepts into project formulations. Additional storage is also expected to provide flood damage reduction benefits.</p> <p>The California Department of Water Resources (DWR), U.S. Bureau of Reclamation (Reclamation), and their partners have developed a two-phase Plan of Study. Phase 1 will identify water resource opportunities and issues in the Upper San Joaquin River watershed. This phase will include an</p>	NO ^d	NO ^d	NO ^d	<p>Reclamation. 2009. Letter - Plan Formulation Report for the Upper San Joaquin River Basin Storage Investigation. May 29, 2009.</p> <p>Reclamation and DWR. 2008. Upper San Joaquin River Basin Storage Investigation Plan Formulation Report. October</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>appraisal of opportunities to increase surface storage and conjunctive uses for groundwater. Phase 2 will be more detailed and will begin with public meetings to determine the scope of the study. DWR and Reclamation will work with the public and key local, state and federal agencies, coordinate related activities, and present technical findings. Public involvement will be open and will guide the agencies' planning efforts.</p> <p>The objectives of the investigations are to: contribute to restoration of the San Joaquin River, improve water quality of the San Joaquin River, and facilitate additional conjunctive management and water exchanges that improve the quality of water deliveries to urban communities. To the extent possible, the Upper San Joaquin River Basin Storage Investigation will explore opportunities to provide other benefits that could include hydropower, flood control, and recreation.</p>				
Water Year 2010 Interim Flows Project	U.S. Bureau of Reclamation and California Department of Water Resources	The U.S. Bureau of Reclamation (Reclamation) is temporarily changing Friant Dam operations in Water Year 2010 to release Water Year 2010 Interim Flows from Friant Dam into the San Joaquin River and potentially downstream as far as the Sacramento-San Joaquin River Delta (Delta), as specified in the Stipulation of Settlement (Settlement) in NRDC et al. v. Kirk Rodgers et al., and as part of the San Joaquin River Restoration Project. The Water Year 2010 releases could be recaptured by existing water diversion facilities along the San Joaquin River and/or in the Delta. Interim Flows would be constrained by existing channel capacity, anticipated seepage, future agreements with downstream agencies, entities, and landowners, and the capacity of diversions, as well as water supply demand at the possible diversion locations. The purpose of the Water Year 2010 Interim Flows Project is to implement provisions of the Settlement related to Interim	YES ^a	YES ^a	NO ^a Interim	USBR and DWR. 2009. Final Environmental Assessment/Initial Study Water Year 2010 Interim Flows Project. September 25, 2009.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		Flows and to collect relevant data to guide future releases of Interim Flows and Restoration Flows under the SJRRP. The full restoration flow schedule will be implemented no later than January 2014.				
Grassland Bypass Project, 2010 - 2019	U.S. Bureau of Reclamation and San Luis & Delta Mendota Water Authority	<p>The purposes and objectives of the proposed continuation of the Grassland Bypass Project, 2010–2019 are:</p> <ul style="list-style-type: none"> • To extend the San Luis Drain Use Agreement in order to allow the Grassland Basin Drainers time to acquire funds and develop feasible drainwater treatment technology to meet revised Basin Plan objectives (amendment underway) and Waste Discharge Requirements by December 31, 2019; • To continue the separation of unusable agricultural drainage water discharged from the Grassland Drainage Area from wetland water supply conveyance channels for the period 2010–2019; and • To facilitate drainage management that maintains the viability of agriculture in the Project Area and promotes continuous improvement in water quality in the San Joaquin River; <p>The project would continue the present drainwater conveyance using the Drain with discharge of a portion of the collected drainwater to Mud Slough. New features include negotiation with the U.S. Bureau of Reclamation and other stakeholders for a 2010 Use Agreement for the Drain, to include an updated compliance monitoring plan, revised selenium and salinity load limits, an enhanced incentive performance fee system, a new Waste Discharge Requirement from the Regional Board, and mitigation for continued discharge to Mud Slough. In-Valley treatment/drainage reuse at the San Joaquin River Water</p>	NO ^c	NO ^c	YES ^c	<p>USBR and SLDMWA. 2009. Grassland Bypass Project, 2010–2019 Final Environmental Impact Statement and Environmental Impact Report. September 29, 2009.</p> <p>USBR and SLDMWA. 2008. Grassland Bypass Project, 2010–2019 Draft Environmental Impact Statement and Environmental Impact Report. December 2008.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		Quality Improvement Project facility would be expanded to 6,900 acres.				
Agricultural Drainage Selenium Management Program	U.S. Bureau of Reclamation and San Luis & Delta-Mendota Water Authority	Impairment of water quality in the San Joaquin River, the Delta, and San Francisco Bay has resulted in the completion of a TMDL for selenium in the lower San Joaquin River, listing of the western Delta as having impaired water quality for selenium, and initiation of a TMDL study for selenium in North San Francisco Bay. The overall goal of the Agricultural Drainage Selenium Management Program is to minimize discharges of selenium in subsurface agricultural drainage from the western San Joaquin Valley to the river and downstream areas. Actions being taken include reduction in the generation of agricultural drainage containing elevated levels of selenium (through land and irrigation management practices) and limiting where and when the drainage water can be discharged.	NO ^c	NO ^c	YES ^c	<p>CVRWQCB. 2001. Total Maximum Daily Load for Selenium in the Lower San Joaquin River. Sacramento, California. Staff Report. August.</p> <p>Reclamation and San Luis & Delta-Mendota Water Authority. 2008. Grassland Bypass Project, 2010–2019 Environmental Impact Statement and Environmental Impact Report. Draft dated December.</p> <p>Reclamation. 2006. San Luis Drainage Feature Re-evaluation Final Environmental Impact Statement, Mid-Pacific Region, Sacramento, California. May 2006.</p> <p>SFBRWQCB Site accessed March 13, 2009. URL = http://www.swrcb.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/seleniumtmdl.shtml</p> <p>SFEI web site. Grassland</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
						Bypass Project Annual Report 2004-2005. Site accessed March 12, 2009. URL = http://www.sfei.org/grassl and/reports/gbpdfs.htm .
2-Gates Project	U.S. Bureau of Reclamation and San Luis-Delta Mendota Water Authority	<p>The proposed 2-Gates Fish Protection Demonstration Project would install and operate removable gates at two key Delta locations to test the ability of the structures to manage turbidity plume dispersion towards the south Delta intakes. In a five-year pilot study, the gates would control flows in selected interior Delta channels to evaluate whether these changes reduce turbidity movement toward the south Delta intakes.</p> <p>Reclamation is the lead agency for the project, with the California Department of Water Resources providing technical assistance. Scientific advice will be provided by a panel of experts facilitated by the Delta Stewardship Council (formerly CALFED Bay-Delta Program). A funding source for the project has yet to be identified. Operational costs are undetermined.</p> <p>The project proposed that by operating the gates, movement of adult and juvenile delta smelt into the South Delta pumping area can be controlled. Gates would be closed for short periods December through February to control adult delta smelt movement and for moderate periods March through June to control larvae/juvenile delta smelt movement. Boat ramps would be used to allow boat passage when the gates are closed. From July through November, a period of high Delta boating activity, the gates would not operate, remaining in a fully open position.</p> <p>The proposed central Delta locations are on Old River</p>	NO ^d	NO ^d	NO ^d Interim	<p>DWR web site. Delta Initiatives. 2-Gates Project fact sheet. Site accessed September 15, 2009. URL = http://www.water.ca.gov/deltainit/docs/TwoGatesProject.pdf</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		between Bacon Island and Holland Tract, and Connection Slough between Mandeville and Bacon Islands.				
Red Bluff Diversion Dam Fish Passage Project	U.S. Bureau of Reclamation and Tehama Colusa Canal Authority	The project modifies the Red Bluff Diversion Dam to reduce or minimize impacts on migration of anadromous fish, and improve the reliability of agricultural water supply in the Tehama-Colusa and Corning Canal systems. The project includes a new pumping plant and fish screen with a pumping capacity of 2,500 cubic feet per second (cfs). The initial installed pumping capacity will be 2,000 cfs. There would be no increase in water diversions above 2,500 cfs. The current 4-month gates-in operation (May 15 thru Sept. 15) is expected to be discontinued once the new pumping plant is completed in 2012.	NO ^b	YES ^b	YES ^b	TCCA Project web site. Site accessed July 8, 2009. URL = http://tccanal.com/fishpassage.php TCCA Project web site. Project Brochure, February 2009. Site accessed July 8, 2009. URL = http://www.tccanal.com/RBDD-Bro-Singles1.pdf Reclamation web site. NEPA documents. Site accessed July 8, 2009. URL= http://www.usbr.gov/mp/nepa/nepa_projdetails.cfm?Project_ID=237
Anadromous Fish Screen Program	U.S. Bureau of Reclamation and U.S. Fish and Wildlife Service	The primary objective of the Anadromous Fish Screen Program (AFSP) is to protect juvenile chinook salmon (all runs), steelhead, green and white sturgeon, striped bass and American shad from entrainment at priority diversions throughout the Central Valley. Section 3406 (b)(21) of the Central Valley Project Improvement Act (CVPIA) requires the Secretary of the Interior to assist the State of California in developing and implementing measures to avoid losses of juvenile anadromous fish resulting from unscreened or inadequately screened diversions on the Sacramento and San Joaquin rivers, their tributaries, the Delta, and the Suisun Marsh. Additionally, all AFSP projects meet Goal 3 of the CALFED Ecosystem Restoration Program's (ERP) Draft Stage	YES ^a	YES ^a	YES ^a	CALFED web site. Site accessed November 17, 2009. URL = http://calwater.ca.gov/Program_Performance/Project_Summary_Sheet.aspx?project=USBR_002

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		1 Implementation Plan.				
American Basin Fish Screen and Habitat Improvement Project	U.S. Bureau of Reclamation, California Department of Fish and Game, and Natomas Central Mutual Water Company	<p>The U.S. Bureau of Reclamation and the California Department of Fish and Game propose to authorize and provide funds to the Natomas Central Mutual Water Company (Natomas Mutual) to construct and operate the American Basin Fish Screen and Habitat Improvement Project. The purpose of the project is: (1) to avoid or minimize potentially adverse effects to fish, particularly anadromous juvenile fish, due to water diversions from the Sacramento River and Natomas Cross Canal by Natomas Mutual and other small pumps operated by individual landowners for diversion of water into the Natomas Basin; (2) to ensure reliability of Natomas Mutual's water diversion and distribution facilities for beneficial uses of its water supply within its service area; and (3) to maintain important habitat within the Natomas Basin created by the operation of the Natomas Mutual's water distribution facilities.</p> <p>The project would result in modifications of Natomas Mutual's water diversion and distribution system adjacent to the Sacramento River and Natomas Cross Canal in Sacramento and Sutter counties, California. The modifications include the construction and operation of one or two positive-barrier fish screen diversion facilities; decommissioning and removing the Verona Diversion Dam and lift pumps; removing five pumping plants and one small private diversion; and modifying the distribution system. The project is anticipated to be implemented in three phases.</p>	NO ^b	YES ^b	YES ^b	USBR and DFG. 2008. American Basin Fish Screen and Habitat Improvement Project Sutter and Sacramento Counties, California Draft Environmental Impact Statement/Environmental Impact Report. February 2008.
San Luis Reservoir Low	U.S. Bureau of Reclamation,	The U.S. Bureau of Reclamation and the California Department of Water Resources jointly manage San Luis	NO ^d	NO ^d	NO ^d	Reclamation. 2008. Notice

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Point Improvement	Santa Clara Valley Water District, and San Luis and Delta Mendota Water Authority	<p>Reservoir for the purpose of storing and reregulating Central Valley Project and State Water Project water from the Sacramento-San Joaquin Delta. San Luis Reservoir is an off-stream water storage facility that stores water for both projects. In 2000, the CALFED Programmatic Record of Decision identified the need to resolve the low point problem to potentially increase use of water from San Luis Reservoir by up to 200,000 acre-feet.</p> <p>The San Luis Reservoir Low Point Project is designed to address water supply reliability issues in San Luis Reservoir that result when water levels fall below 369 feet above sea-level (corresponding to a reservoir capacity of 300,000 acre-feet) and create water quality degradation that has the potential to interrupt a portion of the San Felipe Division's water supply. The term "low point" refers to a range of minimum pool elevations in San Luis Reservoir. During the late summer months if the reservoir elevation drops below 369 feet above sea-level, the conditions in San Luis Reservoir promote the growth of algae in the reservoir. The water quality during the algal blooms is not suitable for agricultural water users with drip irrigation systems in San Benito County or municipal and industrial water users relying on existing water treatment facilities in Santa Clara County. The low point issue increases progressively as the reservoir continues to drop below elevation 369 feet. This creates a risk for the San Felipe Division contractors because they rely on San Luis Reservoir for receiving their CVP allocation.</p>				of Intent (73 FR 50997).
Folsom Dam Safety and Flood Damage Reduction Project	U.S. Bureau of Reclamation, U.S. Army Corps of Engineers, Sacramento Area Flood	The project represents a coordinated effort among the U.S. Bureau of Reclamation and U.S. Army Corps of Engineers to address dam safety and enhanced flood control at Folsom Dam. The project includes the Joint Federal Project Auxiliary Spillway, seismic improvements to the Main Concrete Dam and Mormon Island Auxiliary Dam (MIAD), static	NO ^b	YES ^b	YES ^b	USBR, USACE, SAFCA, and CVFPB. 2007. Folsom Dam Safety and Flood Damage Reduction Final Environmental Impact Statement/ Environmental

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
	Control Agency, and Central Valley Flood Protection Board	improvements to earthen structures, security upgrades, replacement of the Main Concrete Dam spillway gates, and a 3.5-foot (ft) raise to all Folsom Facility structures. Construction on the auxiliary spillway began in 2008 and is expected to be completed in 2015. The modifications to the dam would allow for the release of water sooner than is now possible, with the potential for higher releases should the downstream levees be improved to accommodate the increased flows. These larger, earlier releases from Folsom Reservoir would create and conserve flood storage space based on projected reservoir inflows resulting from a major storm impacting the upper American River watershed. However, the modifications would be operated using existing criteria until the completion of a revised Folsom Water Control manual and supporting supplemental environmental compliance documentation. The manual would be completed one year prior to completion of proposed structural modifications at Folsom Dam and Reservoir, at which time the full potential benefits of the proposed modifications would be realized.				Impact Report. March.
San Joaquin River Restoration Program	U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, National Marine Fisheries Service, California Department of Water Resources and	The San Joaquin River Restoration Program is a comprehensive long-term effort to restore flows to the San Joaquin River from Friant Dam to the confluence of Merced River and restore a self-sustaining Chinook salmon fishery in the river while reducing or avoiding adverse water supply impacts from restoration flows. The restoration program is the product of more than 18 years of litigation, which culminated in a Stipulation of Settlement on the lawsuit known as NRDC, et al., v. Kirk Rodgers, et al. The settling parties reached agreement on the terms and conditions of the settlement, which was subsequently approved by Federal	YES ^d	YES ^d	YES ^d	San Joaquin River Restoration Program web site. Site accessed July 13, 2009. URL = http://www.restoresjr.net/ San Joaquin River Restoration Program web site. Notice of Intent. Site accessed July 13, 2009. URL = http://www.restoresjr.net/

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
	California Department of Fish and Game	<p>Court on October 23, 2006. The settling parties include the Natural Resources Defense Council, Friant Water Users Authority, and the U.S. Departments of the Interior and Commerce. The settlement's two primary goals are to:</p> <ul style="list-style-type: none"> • Restore and maintain fish populations in "good condition" in the main stem of the San Joaquin River below Friant Dam to the confluence of the Merced River, including naturally reproducing and self-sustaining populations of salmon and other fish, and • Reduce or avoid adverse water supply impacts to all of the Friant Division long-term contractors that may result from the Interim Flows and Restoration Flows provided for in the settlement. <p>The settlement requires specific releases of water from Friant Dam to the confluence of the Merced River, which are designed primarily to meet the various life stage needs for spring- and fall-run Chinook salmon. The release schedule assumes continuation of the current average Friant Dam release of 116,741 acre-feet, with additional flow requirements depending on the year type. Interim flows began in October, 2009, and full restoration flows would begin no later than January 2014. Salmon will be reintroduced in the upper reaches no later than December 31, 2012. There are many physical improvements within and near the San Joaquin River that will be undertaken to fully achieve the river restoration goal. The improvements will occur in two separate phases that will focus on a combination of water releases from Friant Dam, as well as structural and channel improvements.</p> <p>The project was authorized and funded with the passage of San Joaquin River Restoration Settlement Act, part of the Omnibus Public Land Management Act of 2009 (Public Law</p>				<p>program_library/02-Program_Docs/Scoping_Materials/Federal%20Register%20Notice%20of%20Intent_080207.pdf</p> <p>San Joaquin River Restoration Program Draft Program Environmental Impact Statement/ Environmental Impact Report. April 2011.</p>

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		111-11).				
Ballast Water Management Program	U.S. Coast Guard	<p>In July 2004, the Coast Guard established a ballast water management program for all vessels equipped with ballast water tanks that enter or operate within U.S. waters. This program requires vessels to maintain a ballast water management plan that is specific for that vessel and allows any master or appropriate official to understand and execute the ballast water management strategy for that vessel. The Coast Guard may impose a civil penalty if ships headed to the U.S. fail to submit a ballast water management reporting form.</p> <p>The National Invasive Species Act (NISA) required the Coast Guard to establish national voluntary ballast water management guidelines. If the guidelines were deemed inadequate, NISA directed the Coast Guard to convert them into a mandatory national program. To comply with NISA, the Coast Guard has established both regulations and guidelines to prevent the introduction of these species because the original voluntary guidelines were deemed inadequate prior to establishing the regulations.</p>	YES ^a	YES ^a	YES ^a	<p>U.S. Coast Guard web site. Coast Guard Establishes Mandatory Ballast Water Management Program. Press Release (July 28, 2004). Site accessed July 22, 2009. URL = http://ocean.ceq.gov/Release_BWM.pdf</p> <p>U.S. Coast Guard web site. Ballast Water Management. Site accessed July 22, 2009. URL = http://www.uscg.mil/hq/cg5/cg522/cg5224/bwm.asp</p> <p>U.S. Coast Guard web site. Status of the Ballast Water Discharge Standard Rulemaking (June 2009). Site accessed July 22, 2009. URL = http://www.piersystem.com/posted/443/BWDS_Rulemaking_Status_Jun_09.278995.pdf</p>
Biological Opinion and Conference Opinion on the Long-term Operations of the Central	U.S. Department of Commerce, National Marine Fisheries Service, U.S. Bureau of Reclamation,	On June 4, 2009, NMFS issued a final biological opinion finding that continued operations of the Central Valley Project/State Water Project would likely jeopardize several listed species, including Sacramento River winter-run Chinook salmon, Central Valley spring-run Chinook salmon, Central Valley steelhead, Southern Distinct Population Segment of North American green sturgeon, and Southern Resident killer	YES ^a	YES ^a	YES ^a	NMFS. 2009. Biological Opinion and Conference Opinion on the Long-term Operations of the Central Valley Project and State Water Project. June 4, 2009.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Valley Project and State Water Project	and California Department of Water Resources	<p>whales. The biological opinion effective through December 31, 2030.</p> <p>In its final biological opinion, NMFS identified a Reasonable and Prudent Alternative (RPA) that, if implemented, is believed to avoid the likelihood of jeopardizing the continued existence of these listed species. The following summarizes the actions identified in the RPA that would be undertaken by the U.S. Bureau of Reclamation and/or the California Department of Water Resources.</p> <p>Manage water temperature and water storage in Shasta Reservoir to benefit winter-run Chinook salmon in the Sacramento River</p> <p>Provide flows and adequate water temperatures in Clear Creek to benefit spring-run Chinook salmon</p> <p>Modify gate operation of the Red Bluff Diversion Dam (with the objective of removing the gates by 2012) to improve passage for salmon and green sturgeon</p> <p>Improve juvenile salmonids rearing habitat in the lower Sacramento River and northern Delta</p> <p>Improve survival of migrating juveniles by implementing additional gate closures at the Delta Cross Channel</p> <p>Limit the strength of reverse flows in Old and New rivers to reduce entrainment of juvenile fish into the state and federal export facilities in the south Delta</p> <p>Implement facility improvements at the state and federal export facilities to increase fish survival</p> <p>Implement measures, including a fish study using acoustic tags, to improve the ability to increase survival of juvenile steelhead migrating from the San Joaquin River basin</p>				

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		<p>Implement a flow management standard, temperature management plan, and facility modifications to improve conditions for steelhead in the American River</p> <p>Implement a new year-round minimum flow regime that improves conditions for steelhead in the Stanislaus River</p> <p>Develop a Hatchery Genetic Management Plans to increase and stabilize the prey base for Southern Resident killer whales</p> <p>Provide long-term fish passage at Keswick and Shasta dams on the Sacramento River, Nimbus and Folsom dams on the American River, and New Melones Dam on the Stanislaus River</p> <p>The final biological opinion also identified research, monitoring, and reporting requirements.</p>				
Biological Opinion on the Long-Term Operations of the Central Valley Project and State Water Project (Delta smelt)	U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, and California Department of Water Resources,	On December 15, 2008, the U.S. Fish and Wildlife Service (USFWS) delivered its Biological Opinion (BiOp) to the U.S. Bureau of Reclamation on the effects of the continued operation of the federal Central Valley Project and the California State Water Project on the delta smelt and its designated critical habitat. USFWS determined that the continued operation of these two water projects is likely to jeopardize the continued existence of the delta smelt and adversely modify its critical habitat. USFWS identified a Reasonable and Prudent Alternative (RPA) intended to protect each life-stage and the critical habitat of this federally protected species. The RPA addresses the following objectives: 1) prevent/reduce entrainment of delta smelt at Jones and Banks; 2) provide adequate habitat conditions that will allow the adult delta smelt to successfully migrate and spawn in the Bay-Delta; 3) provide adequate habitat conditions that will allow larvae and juvenile delta smelt to	YES ^a	YES ^a	YES ^a	USFWS. 2008. Formal Endangered Species Act Consultation on the Proposed Coordinated Operations of the Central Valley Project (CVP) and State Water Project (SWP). Sacramento, California.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		rear; and 4) provide suitable habitat conditions that will allow successful recruitment of juvenile delta smelt to adulthood.				
North American Waterfowl Management Plan	U.S. Fish and Wildlife Service	The North American Waterfowl Management Plan, a collaboration of Canada, the United States, and Mexico to enhance waterfowl populations, was originally written in 1986 and envisioned as a 15-year effort to achieve landscape conditions that could sustain waterfowl populations. The plan has been modified twice since the 1986 Plan to account for biological, sociological, and economic changes that influence the status of waterfowl and the conduct of cooperative habitat conservation. The 2004 Plan is intended to define the needs, priorities, and strategies for the next 15 years, increase stakeholder confidence in the direction of Plan actions, and guide partners in strengthening the biological foundation of North American waterfowl conservation.	YES ^a	YES ^a	YES ^a	USFWS. 2004. North American Waterfowl Management Plan, Strengthening the Biological Foundation, 2004 Strategic Guidance.
Stone Lakes National Wildlife Refuge Comprehensive Conservation Plan	U.S. Fish and Wildlife Service	U.S. Fish and Wildlife Service published a final Comprehensive Conservation Plan (CCP) for Stone Lakes National Wildlife Refuge in January 2007 to describe the selected alternative for managing Stone Lakes National Wildlife Refuge for the next 15 years. The refuge is located about 10 miles south of Sacramento, straddling I-5 and extending south from Freeport to Lost Slough. Under the plan, the Refuge will continue its focus of providing wintering habitat for migratory birds and management to benefit endangered species. Management programs for migratory birds and other Central Valley wildlife will be expanded and improved and public use opportunities will also be expanded. The number of refuge units open to the public will increase from one to five. In addition, environmental education,	YES ^a	YES ^a	YES ^a	USFWS. 2007. Notice of Availability (72FR41084). USFWS. 2007. Stone Lakes National Wildlife Refuge Comprehensive Conservation Plan. January 2007. URL = http://www.fws.gov/stonelakes/ccp.htm

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		interpretation, wildlife observation, wildlife photography, hunting, and fishing programs will be expanded. The plan achieves the refuge's purposes, vision, and goals; contributes to the Refuge System mission; addresses the significant issues and relevant mandates; and is consistent with principles of sound fish and wildlife management.				
San Joaquin Basin Action Plan	U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, and California Department of Fish and Game	The San Joaquin Basin Action Plan is a cooperative agreement between the U.S. Bureau of Reclamation, the U.S. Fish and Wildlife Service, and the California Fish and Game to jointly develop a habitat acquisition and wetland enhancement project on approximately 23,500 acres of lands within the Northern San Joaquin River Basin. The plan was created in 1989 to meet Kesterson Reservoir mitigation needs, Water supply for Level 4 will be acquired under CVPIA Section 3406(d)(5).	YES ^a	YES ^a	YES ^a	CVPIA Independent Review web site. Orientation to Refuge Water Supply Program. Site accessed December 14, 2009. URL = http://www.cvpiaindependentreview.com/refugesMaterials.html
Lower American River Temperature Reduction Modeling Project (Formerly the Lake Natoma Temperature Curtains Pilot Project)	U.S. Fish and Wildlife Service, Anadromous Fish Restoration Program; U.S. Bureau of Reclamation; Sacramento Water Forum	The objective of the Lower American River Temperature Reduction Modeling Project is to develop predictive tools that will: 1) Reduce uncertainties in the performance of identified temperature control actions that could be implemented to improve the management of cold water resources in the Folsom/Natoma Reservoir system and the lower American River, and 2) Be available for daily operations, planning, and salmon and steelhead habitat studies by other project operators and other stakeholders. The project adapted, calibrated, and verified existing thermodynamic and hydrologic mathematical models for application at Folsom Reservoir, Lake Natoma and the lower American River. The models were used to assess the effectiveness of the identified actions individually and in combination in order to support a recommendation as to the development and implementation of one or more actions for the purpose of reducing temperatures in the lower American	NO ^d	NO ^d	NO ^d	USFWS. Lower American River Temperature Reduction Modeling Project website. Anadromous Fish Restoration Program. Web site accessed September 2, 2009. URL = http://www.fws.gov/stockton/afrp/Project.asp?code=2003-06 Reclamation, USFWS, and Sacramento Water Forum. 2007. Temperature Modeling of Folsom Lake, Lake Natoma, and the Lower American River. Prepared by the Bureau of

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		River. The actions identified to improve transport of cold water through Lake Natoma and reduce the temperature of the lower American River included: a Nimbus Dam curtain, a Lake Natoma plunge zone curtain, Nimbus powerplant debris wall removal, dredging Lake Natoma, and modifying Folsom Powerplant peak loading operation.				Reclamation Technical Service Center. April. URL = http://www.fws.gov/stockton/afnp/documents/LAReport40.pdf
UCD Fish Conservation and Cultural Lab	University of California, Davis, California Department of Water Resources, and U.S. Bureau of Reclamation	The University of California, Davis (U.C. Davis) and California Department of Water Resources, working with federal agencies, operates a program to spawn and rear delta smelt for scientific studies, and develops and improves cultural methods for delta and longfin smelt.	YES ^a	YES ^a	YES ^a	DWR web site. Photo Library, Fish and Wildlife – Delta Smelt. Site accessed July 22, 2009. URL = http://www.water.ca.gov/newsroom/photo/smelt.cfm DWR web site. Interim Delta Actions. Site accessed July 22, 2009. URL = http://www.water.ca.gov/deltainit/action.cfm
Delta Smelt Refuge Population and Delta Smelt Interim Refuge	University of California, Davis, California Department of Water Resources, Department of Fish and Game, U.S. Fish and Wildlife Service, and U.S. Bureau of Reclamation	The University of California, Davis (U.C. Davis) and California Department of Water Resources, working with federal agencies, operate a delta smelt culture laboratory located at DWR's Fish Facility near Byron.	YES ^a	YES ^a	YES ^a	DWR web site. Photo Library, Fish and Wildlife – Delta Smelt. Site accessed July 22, 2009. URL = http://www.water.ca.gov/newsroom/photo/smelt.cfm DWR web site. Interim Delta Actions. Site accessed July 22, 2009. URL = http://www.water.ca.gov/deltainit/action.cfm

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Delta Smelt Permanent Refuge	University of California, Davis, California Department of Water Resources, Department of Fish and Game, U.S. Fish and Wildlife Service, and U.S. Bureau of Reclamation	Program under development to develop a permanent facility, possibly at the proposed FWS Science Center at Rio Vista.	NO ^c	NO ^c	YES ^c	
Lower American River Flow Management Standard Implementation	Water Forum and U.S. Bureau of Reclamation	Lower American River flow criteria in the NMFS Biological Opinion described above were developed based on information prepared by the Water Forum and U.S. Bureau of Reclamation (Reclamation), along with the participation of the U.S. Fish and Wildlife Service, National Marine Fisheries Service, and California Department of Fish and Game. The Water Forum has prepared a Draft Environmental Impact Report to reach consensus on the substance of the flow management standard to be included in a joint petition to the State Water Resources Control Board to amend Reclamation's water right permits. Through management of water temperature and flow, the flow management standard is intended to improve the condition of aquatic resources in the lower American River, particularly fall-run Chinook salmon and steelhead. In addition, the flow management standard would benefit other fish species, the aquatic environment, and the riparian ecosystem of the lower American River corridor. Biological monitoring activities designed to support the flow management standard are currently being conducted by Reclamation and the California Department of Fish and Game.	NO ^c	NO ^c	YES ^c	U.S. Bureau of Reclamation web site. Site accessed July 6, 2009. URL = http://www.usbr.gov/newsroom/newsrelease/detail.cfm?RecordID=23261 Water Forum. 2008. Flow Management Standard Program: Implementation Plan. December.

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
West Sacramento Levee Improvements Program	West Sacramento Area Flood Control Agency and U.S. Army Corps of Engineers	The West Sacramento Levee Improvements Program (WSLIP) would construct improvements to the levees protecting West Sacramento to meet local and federal flood protection criteria. The program area includes the entire WSAFCA boundaries which encompasses portions of the Sacramento River, the Yolo Bypass, the Sacramento Bypass, and the Sacramento Deep Water Ship Channel. The levee system associated with these waterways includes over 50 miles of levees in Reclamation District (RD) 900, RD 537, RD 811, DWR's Maintenance Area 4, and the Deep Water Ship Channel. These levees completely surround the West Sacramento. For the purposes of this program, the levees have been generally divided into the nine reaches: Sacramento River Levee North, Sacramento River Levee South, Port North Levee, Port South Levee, South Cross Levee, Deep Water Ship Channel Levee East, Deep Water Ship Channel Levee West, Yolo Bypass Levee, and Sacramento Bypass Levee.	NO ^c	NO ^c	YES ^c	CEQAnet web site. Site accessed December 10, 2009. URL = http://www.ceqanet.ca.gov/ProjectList.asp
Lower Yolo Bypass Planning Forum	Yolo Basin Foundation and Delta Protection Commission	The Lower Yolo Bypass Planning Forum (Forum) is an entity formed by the Yolo Basin Foundation and the Delta Protection Commission, with funding from the California Department of Fish and Game, to bring together stakeholders in the Yolo Bypass to address and resolve issues related to flood conveyance, sensitive species habitat, recreational opportunities, agriculture and privately managed habitat, and flood control levees. The Forum is providing guidance on strategies to increase the frequency and duration of spring flooding in the Yolo Bypass and fish passage, while maintaining existing land uses (e.g., agriculture) and flood control functions of the Bypass. The Forum encourages conservation strategies that consider the productivity of existing land uses, multiple conveyance options, willing landowners, existing planning efforts, and local stakeholder	NO ^d	NO ^d	NO ^d	Yolo Bypass web site. Yolo Bypass Conservation Measures. Sites accessed on July 28, 2009. URL = http://www.yolobypass.net/ ; http://www.yolobypass.net/docs/FINAL%20PF%20Bypass%20Conservation%20Measure.pdf

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
		groups.				
Yolo County General Plan Update	Yolo County	<p>The Yolo County General Plan was adopted on July 17, 1983, and provides for growth and development in the unincorporated area through 2010. Yolo County occupies 653,549 acres (1,021 square miles) in the California Central Valley along the Sacramento River Delta.</p> <p>In May 2003, Yolo County began a comprehensive update to the county's general plan. In January 2009, the county conducted a series of public workshops to receive comments on the Revised Draft 2030 Countywide General Plan, and the Draft EIR was released in April 2009.</p> <p>According to the Draft EIR, the Draft General Plan would allow for additional growth in the unincorporated area of the County of approximately 30,195 people, up to 10,784 homes, and 19,209 jobs. At build-out of the Draft General Plan, assumed to occur by 2030 for the purposes of the EIR, the unincorporated county could have a population of approximately 64,700 persons, approximately 22,061 residential units, and approximately 53,154 jobs.</p>	NO ^b	YES ^b	YES ^b	<p>Yolo County web site. Yolo County General Plan. Site accessed August 6, 2009. URL = http://www.yolocounty.org/Index.aspx?page=1514</p> <p>Yolo County web site. Environmental Documents. Site accessed August 6, 2009. URL = http://www.yolocounty.org/Index.aspx?page=1683</p>
Yolo County Habitat/Natural	Yolo County Joint Powers	The Yolo County Habitat Joint Powers Authority (JPA), consisting of five local public agencies, launched the Yolo	NO ^d	NO ^d	NO ^d	DFG web site. Yolo County HCP/NCCP Status. Site

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
Community Conservation Plan	Authority	<p>Natural Heritage Program in March 2007. This effort includes the continuing preparation of a joint Habitat Conservation Plan/ Natural Community Conservation Plan (HCP/NCCP). Member agencies include: Yolo County, City of Davis, City of Woodland, City of West Sacramento and City of Winters.</p> <p>The HCP/NCCP will describe the measures that local agencies will implement in order to conserve biological resources, obtain permits for urban growth and public infrastructure projects, and continue to maintain the agricultural heritage and productivity of the county. The nearly 653,820-acre planning area provides habitat for covered species occurring within five dominant habitats/natural communities. The plan proposes to address 63 covered species, including seven state-listed species: palmate-bracted birds beak, Colusa grass, Crampton's tuctoria, giant garter snake, Swainson's hawk, western yellow-billed cuckoo, and bank swallow. Interim conservation activities include acquiring permanent conservation easements for sensitive species habitat in the plan area.</p>				<p>accessed July 28, 2009. URL = http://www.dfg.ca.gov/habcon/nccp/status/YoloCounty.html</p> <p>Yolo Natural Heritage Program web site. Site accessed July 28, 2009. URL = http://www.yoloconservationplan.org/</p> <p>Yolo Natural Heritage Program web site. Yolo Steering Committee, Draft Meeting Summary (July 13, 2009). Site accessed July 28, 2009. URL = http://www.yoloconservationplan.org/yolo_pdfs/steering/steering-2009/2009-07-13_SAC-draft-mtg-sum.pdf</p>
Yolo County Stormwater Management Program	Yolo County, Public Works Division	<p>The Yolo County Stormwater Management Program (SWMP) is composed of six elements: Public Education and Outreach, Public Involvement and Participation, Illicit Discharges, Construction Activities, New Development and Redevelopment, and County Operations. The program provides education, opportunities for participation, requires permanent stormwater BMPs for major development, implements improved control measures at county facilities, and delineates responsibilities.</p> <p>The program was adopted by the Yolo County Board of Supervisors in 1994.</p>	YES ^a	YES ^a	YES ^a	Yolo County. 2003. Stormwater Management Program (SWMP) Planning Document. Revised October 2004

Note to Reader: This administrative draft document is being released prior to the public draft that will be released for formal public review and comment later in 2012. It incorporates comments by the Lead Agencies on prior versions, but has not been reviewed or approved by the Lead Agencies for adequacy in meeting the requirements of CEQA or NEPA. All members of the public will have an opportunity to provide comments on the public draft. Responses will be prepared only on comments submitted in the formal public review and comment period.

Define Existing Conditions

Project	Primary Agencies	Description	Existing Conditions	No Action/ No Project	Cumulative	References
South Bay Aqueduct Improvement and Enlargement Project	Zone 7 Water Agency and Department of Water Resources	<p>The South Bay Aqueduct Improvement and Enlargement Project will improve and expand the existing South Bay Aqueduct. The project will increase the existing capacity of the water conveyance system up to its design capacity of 300 cfs, and expand capacity in a portion of the project to add 130 cfs (total of 430 cfs). These improvements are expected to assist Zone 7 in meeting its future conveyance capacity needs and allow DWR to reduce State Water Project peak power consumption by providing for variation in pumping and delivery schedule.</p> <p>The enlargement project will supply Zone 7's future Altamont Water Treatment Plant with additional State Water Project water. The enlarged South Bay Aqueduct will be able to carry an additional 130 cfs through Reach 1, and 80 cfs through reaches 2 and 4.</p>	NO ^b	YES ^b	YES ^b	<p>DWR. 2004. South Bay Aqueduct Improvement and Enlargement Project Draft Environmental Impact Report. September.</p> <p>Zone 7 web site: Site accessed July 2, 2009. URL = http://www.zone7water.com/index.php?option=com_content&task=view&id=109&Itemid=450</p>
<p>(NOTES:</p> <p>^a Currently operational/ongoing</p> <p>^b Under construction or implementation</p> <p>^c Defined, but details are not fully defined</p> <p>^d Not fully defined</p>						